

| Set | Items | Description |
|-----|---------|---|
| S1 | 43 | AU=(YEN J? OR YEN, J?) |
| S2 | 1000636 | COMPAR? OR DIFFERENC? OR EXTRACT? |
| S3 | 540056 | IMAGE? ? OR PICTURE? OR PICTORIAL OR PICTORAL OR PHOTO? ? OR PHOTOGRAPH? |
| S4 | 257398 | PRINT? OR INDICIA? OR IMPRESS? OR IMPRINT? |
| S5 | 358148 | TOKEN? ? OR CODE? ? OR DECOD? OR CODING OR ENCRYPT? OR ENC- RIPT? OR DECRYPT? OR DECRIP? OR ENCOD? |
| S6 | 761558 | PAY? OR INFORMATION OR INFO OR DATA |
| S7 | 10284 | WATERMARK? OR WATER()MARK? ? OR HALFTONE? ? OR HALF()TONE? ? |
| S8 | 2777 | POSTAGE? ? OR FRANKING? |
| S9 | 9188 | S3(3N)BASE |
| S10 | 460 | S9(10N)S2 |
| S11 | 18 | S10(20N)S4 |
| S12 | 0 | S10(S)S8 |
| S13 | 150 | S10(S)S6 |
| S14 | 7 | S13(25N)S4 |
| S15 | 5 | S10(S)S7 |
| S16 | 24 | S11 OR S14 OR S15 |
| S17 | 1 | S16 AND IC=(G06K? OR H04L?) |

? show file

File 348:EUROPEAN PATENTS 1978-2004/Aug W05

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040902,UT=20040826

(c) 2004 WIPO/Univentio

16/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01594570

Expansion of color gamut for photographic media comprising silver halide
Erweiterung des Farbtonbereichs für photographische Materialien beinhaltend
Silberhalogenid

Matériau photographique à gamme de couleur étendue contenant de
l'halogénure d'argent

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York
14650, (US), (Applicant designated States: all)

INVENTOR:

Rochford, William T., c/o Eastman Kodak Company, Patent Legal Staff, 343
State Street, Rochester, New York 14650-2201, (US)

Bourdelaïs, Robert Paul, c/o Eastman Kodak Company, Patent Legal Staff,
343 State Street, Rochester, New York 14650-2201, (US)

Nair, Mridula, c/o Eastman Kodak Company, Patent Legal Staff, 343 State
Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A,
Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1321807 A1 030625 (Basic)

APPLICATION (CC, No, Date): EP 2002080199 021209;

PRIORITY (CC, No, Date): US 29050 011221

DESIGNATED STATES: DE; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO

INTERNATIONAL PATENT CLASS: G03C-001/76

ABSTRACT WORD COUNT: 42

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200326 | 280 |
| SPEC A | (English) | 200326 | 14399 |
| Total word count - document A | | | 14679 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 14679 |

...SPECIFICATION comprising printed inks are low in quality.

In a further embodiment of the invention, the **indicia** on the base preferably forms an image. A **printed image** on the **base** provides an expanded color space **compared** to silver halide. Further, by **printing** blacks on the base, the maximum density of the silver halide formed image can be...

16/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01594551

Quintessential pictorial label and its production

Beispielhaftes Bildetikett und dessen Herstellung

Etiquette graphique fondamentale et sa fabrication

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York
14650, (US), (Applicant designated States: all)

INVENTOR:

Bourdelaïs, Robert Paul, c/o Eastman Kodak Company, Patent Legal Staff,
343 State Street, Rochester, New York 14650-2201, (US)
Nair, Mridula, c/o Eastman Kodak Company, Patent Legal Staff, 343 State
Street, Rochester, New York 14650-2201, (US)
Rochford, William T., c/o Eastman Kodak Company, Patent Legal Staff, 343
State Street, Rochester, New York 14650-2201, (US)
Rieger, John Brian, c/o Eastman Kodak Company, Patent Legal Staff, 343
State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia (60522), Kodak Limited Patent, W92-3A, Headstone
Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1321815 A2 030625 (Basic)
EP 1321815 A3 040811

APPLICATION (CC, No, Date): EP 2002080097 021209;

PRIORITY (CC, No, Date): US 27971 011221

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO

INTERNATIONAL PATENT CLASS: G03C-011/08; G03C-011/02; G09F-003/10;
B32B-029/06

ABSTRACT WORD COUNT: 85

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200326 | 517 |
| SPEC A | (English) | 200326 | 21510 |
| Total word count - document A | | | 22027 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 22027 |

...SPECIFICATION comprising printed inks are low in quality.

In a further embodiment of the invention, the **indicia** on the base preferably forms an image. A **printed image** on the **base** provides an expanded color space **compared** to silver halide. Further, by **printing** blacks on the base, the maximum density of the silver halide formed image can be...

16/3,K/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01316083

Image forming system and image forming method

System und Verfahren zur Bilderzeugung

Syteme et procede de formation d'images

PATENT ASSIGNEE:

RISO KAGAKU CORPORATION, (484252), 2-20-15, Shinbashi, Minato-ku, Tokyo,
(JP), (Applicant designated States: all)

INVENTOR:

Nomura, Kunio, c/o RISO KAGAKU CORPORATION, R&D Center, 1339-2, Wakaguri
Nishikana, Amimachi, Inashiki-gun, Ibaraki, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1124203 A2 010816 (Basic)
EP 1124203 A3 040721

APPLICATION (CC, No, Date): EP 2001103013 010208;

PRIORITY (CC, No, Date): JP 200032115 000209

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06T-011/60
ABSTRACT WORD COUNT: 140
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200133 | 898 |
| SPEC A | (English) | 200133 | 5969 |
| Total word count - document A | | | 6867 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 6867 |

...SPECIFICATION In the image forming method, post-editing image data can be obtained by compositing an **extracted image** in a first (**base**) original. A composite **image** can be **printed** through use of the post-editing image **data** by a single **printing** operation, whereby **printed** matter without displaced composite images can be obtained. Since an image to be composited is...

16/3,K/4 (Item 4 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01300598

Nacreous imaging material

Bildaufzeichnungsmaterial mit Perlmuttglanz

Materiau pour l'enregistrement d'images nacre

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York 14650, (US), (Applicant designated States: all)

INVENTOR:

Aylward, Peter Thomas, c/o Eastman Kodak Company, PLS, 343 State Street, Rochester, New York 14650-2201, (US)

Camp, Alphonse Dominic, c/o Eastman Kodak Company, PLS, 343 State Street, Rochester, New York 14650-2201, (US)

Bourdelaïs, Robert Paul, c/o Eastman Kodak Company, PLS, 343 State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A, Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1115027 A1 010711 (Basic)

APPLICATION (CC, No, Date): EP 2000204452 001211;

PRIORITY (CC, No, Date): US 470807 991222

DESIGNATED STATES: DE; FR; GB; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G03C-001/775; G03C-001/79; G03C-001/795;

G03C-007/30; B41M-005/40; B32B-027/10; B32B-027/32; B32B-027/08

ABSTRACT WORD COUNT: 55

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|-----------|--------|------------|
| CLAIMS A | (English) | 200128 | 261 |
| SPEC A | (English) | 200128 | 15570 |

Total word count - document A 15831
Total word count - document B 0
Total word count - documents A + B 15831

...SPECIFICATION maintained dye hue angle.

It is a further object to provide improved image sharpness and **printing** speed **compared** to prior art voided **base** **photographic** materials.

It is an additional object to provide imaging materials that have a nacreous appearance...

16/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00932603

Image processing apparatus and image processing method

Bildverarbeitungsgerat und -verfahren

Appareil et procede de traitement d'image

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Iino, Akio, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

Matsumoto, Hisashi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court, High Holborn, London WC1R 5DH, (GB)

PATENT (CC, No, Kind, Date): EP 849934 A2 980624 (Basic)

EP 849934 A3 990616

EP 849934 B1 030312

APPLICATION (CC, No, Date): EP 97310377 971219;

PRIORITY (CC, No, Date): JP 96341363 961220

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: H04N-001/387; H04N-001/405

ABSTRACT WORD COUNT: 167

NOTE:

Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 199826 | 1109 |
| CLAIMS B | (English) | 200311 | 1036 |
| CLAIMS B | (German) | 200311 | 985 |
| CLAIMS B | (French) | 200311 | 1216 |
| SPEC A | (English) | 199826 | 6410 |
| SPEC B | (English) | 200311 | 6786 |
| Total word count - document A | | | 7520 |
| Total word count - document B | | | 10023 |
| Total word count - documents A + B | | | 17543 |

...CLAIMS pseudo teintes, et pour imprimer de maniere repetitive l'image binaire sur un support d' **impression** (1), comprenant :

un moyen de mise sous forme binaire pour **comparer** de maniere sequentielle une valeur de chaque pixel representant l' **image** de **base** (800) avec une valeur de seuil predeterminee, et pour effectuer

une mise sous forme binaire...

16/3,K/6 (Item 6 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00815314

Support for photographic printing paper
Trager fur photographische Abzuge
Support pour papier de tirage photographique

PATENT ASSIGNEE:

FUJI PHOTO FILM CO., LTD., (202408), 210 Nakanuma Minami-Ashigara-shi,
Kanagawa-ken, (JP), (Proprietor designated states: all)

INVENTOR:

Shirakura, Yuji, c/o Fuji Photo Film Co., Ltd., No. 200 Ohnakazato,
Fujinomiya, Shizuoka-ken, (JP)
Abe, Hisamasa, c/o Fuji Photo Film Co., Ltd., No. 200 Ohnakazato,
Fujinomiya, Shizuoka-ken, (JP)

LEGAL REPRESENTATIVE:

Dixon, Donald Cossar et al (30122), Gee & Co. Chancery House Chancery
Lane, London WC2A 1QU, (GB)

PATENT (CC, No, Kind, Date): EP 757284 A1 970205 (Basic)
EP 757284 B1 991027

APPLICATION (CC, No, Date): EP 96305699 960801;

PRIORITY (CC, No, Date): JP 95200099 950804

DESIGNATED STATES: DE; GB; NL

INTERNATIONAL PATENT CLASS: G03C-001/79; B32B-027/20; C08K-009/06

ABSTRACT WORD COUNT: 142

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | 9943 | 492 |
| CLAIMS B | (German) | 9943 | 436 |
| CLAIMS B | (French) | 9943 | 562 |
| SPEC B | (English) | 9943 | 4984 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 6474 |
| Total word count - documents A + B | | | 6474 |

...SPECIFICATION of the emulsion to be coated are replaced by those of
Table 6 described below.

(Comparative Example 1)

A photographic printing base was prepared in the same way as in
Example 1, except that the water-proof...

...surface treating amount:

(Al2)O3): 0.4% by weight

trimethylol ethane: 0.5% by weight)

(Comparative Example 2)

A photographic printing base was prepared in the same way as in
Example 3, except that TiO2)) of the...

...TiO2)) described below.

anatase-type TiO₂))

(surface treating amount: Al₂O₃) 0.7% by weight)

(Comparative Example 3)

A photographic printing base was prepared in the same way as in Example 3, except that TiO₂) of the...

...TiO₂))

surface treating amount: Al₂O₃) 0.5% by weight, dimethylpolysiloxane 0.5% by weight

(Comparative Example 4)

A photographic printing base was prepared in the same way as in Example 5, except that TiO₂) of the...

...0.4% by weight, trimethylol ethane 0.5% by weight,
dimethylhydrosiloxane 0.6% by weight

(Comparative Example 5)

A photographic printing base was prepared in the same way as in Example 1, except that TiO₂) and the...0.5% by weight, trimethylol ethane 0.1% by weight

resin temperature: 270 (degree)C

(Comparative Example 6)

A photographic printing base was prepared in the same way as in Example 3, except that TiO₂) of the...

...surface treating amount: Al₂O₃) 0.05% by weight, trimethylol ethane 0.1% by weight

(Comparative Example 7)

A photographic printing base was prepared in the same way as in Example 1, except that the compositions of...

16/3,K/7 (Item 7 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00465264

Slip resistance overcoat varnish.

Antirutsch-Uberzugslacke.

Vernis de recouvrement antiglissement.

PATENT ASSIGNEE:

OSAKA PRINTING INK MFG. CO., LTD., (1386820), 8-31, Kaminishi 2-chome,
Hirano-ku, Osaka-shi, Osaka, (JP), (applicant designated states:
DE;FR;GB;IT)

INVENTOR:

Nobori, Morio, 4-6-402, Imafukunishi 4-chome, Jyoto-ku, Osaka-shi, Osaka,
(JP)
Tamura, Takeshi, 19-24, Kowakae 3-chome, Higashiosaka-shi, Osaka, (JP)
Yamaguchi, Seiji, 8-38, Horyujiminami 1-chome, Ikaruga-cho, Ikoma-gun,
Nara, (JP)

LEGAL REPRESENTATIVE:

Turk, Gille, Hrabal (100971), Brucknerstrasse 20, W-4000 Dusseldorf 13,
(DE)

PATENT (CC, No, Kind, Date): EP 467166 A2 920122 (Basic)

EP 467166 A3 920708
APPLICATION (CC, No, Date): EP 91111169 910705;
PRIORITY (CC, No, Date): JP 90188658 900716
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: D21H-027/00; C09D-005/02;
ABSTRACT WORD COUNT: 25

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | EPABF1 | 23 |
| SPEC A | (English) | EPABF1 | 2851 |
| Total word count - document A | | | 2874 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 2874 |

...SPECIFICATION and Table-6 is a result on OP Varnish coated on ink film of oil **base printing** ink. (see **image** in original document)
In the example of **comparison** 4, the material was heated at a temperature of 120 (degree)C for 5 seconds...

16/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00423276

Light-sensitive material comprising polymerizable layer and light-sensitive layer provided on support.

Lichtempfindliches Material mit einer auf einem Trager aufgetragenen polymerisierbaren Schicht und einer lichtempfindlichen Schicht.

Materiel photosensible comprenant une couche polymerisable et une couche photosensible sur un support.

PATENT ASSIGNEE:

FUJI PHOTO FILM CO., LTD., (202408), 210 Nakanuma Minami Ashigara-shi, Kanagawa, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Takeda, Keiji, No. 210, Nakanuma, Minami-Ashigara-shi, Kanagawa, (JP)

LEGAL REPRESENTATIVE:

Patentanwalte Dr. Solf & Zapf (100182), Zeppelinstrasse 53, W-8000 Munchen 80, (DE)

PATENT (CC, No, Kind, Date): EP 426192 A2 910508 (Basic)
EP 426192 A3 910717
EP 426192 B1 930505

APPLICATION (CC, No, Date): EP 90121029 901102;
PRIORITY (CC, No, Date): JP 89285612 891101; JP 90315 900105; JP 90138814 900529; JP 90138815 900529
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G03F-007/28;
ABSTRACT WORD COUNT: 145

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|-------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 664 |
| CLAIMS B | (German) | EPBBF1 | 523 |
| CLAIMS B | (French) | EPBBF1 | 595 |
| SPEC B | (English) | EPBBF1 | 18510 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 20292 |

Total word count - documents A + B 20292

...SPECIFICATION 7 except that the dispersion of the base precursor was not used. Thus, a light- **sensitive** material **wherein** the **base** precursor was contained in the polymerizable layer **was** prepared.

The light-sensitive material was evaluated in the same manner as in Example 7. As a result, the quality of the **image** and **print** was inferior to those of Examples 7 and 13.

COMPARISON EXAMPLE 7

A polymerizable layer was prepared in the same manner as in Example 7

...

16/3,K/9 (Item 9 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00421026

Rapidly immobilizing paper coating compositions.

Schnell festgelegte Papieruberzugszusammensetzungen.

Compositions de revetement pour papier se fixant rapidement.

PATENT ASSIGNEE:

National Starch and Chemical Investment Holding Corporation, (1222940),
501 Silverside Road, Wilmington, Delaware 19809, (US), (applicant
designated states: AT;DE;FR;GB;IT;SE)

INVENTOR:

Fernandez, Joseph, 217 Mitchell Circle, Duluth, Minnesota 55811, (US)
Solarek, Daniel, 79 Berkshire Court, Belle Mead, New Jersey 08502, (US)
Koval, John, P.O. Box 7, Baptistown, New Jersey 08803, (US)

LEGAL REPRESENTATIVE:

Hagemann, Heinrich, Dr. et al (4771), Patentanwalte Hagemann & Kehl
Postfach 860329, W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 426987 A1 910515 (Basic)
EP 426987 B1 930714

APPLICATION (CC, No, Date): EP 90118732 900928;

PRIORITY (CC, No, Date): US 431944 891106

DESIGNATED STATES: AT; DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: D21H-019/54;

ABSTRACT WORD COUNT: 62

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 428 |
| CLAIMS B | (German) | EPBBF1 | 382 |
| CLAIMS B | (French) | EPBBF1 | 569 |
| SPEC B | (English) | EPBBF1 | 3957 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 5336 |
| Total word count - documents A + B | | | 5336 |

...SPECIFICATION system as a control (all results are based on a coating weight of 6.5 **pounds** per ream applied to the wire side of a light **weight** , groundwood containing **base** sheet). (see **image** in original document)

Note, in particular, the improved gloss, smoothness and roto **print** quality of the CEM containing system with brightness and opacity comparable to the conventionally utilized...

16/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00394092

Method and device for detecting registration marks in a multicolour printing press.

Vorrichtung und Verfahren zum Detektieren von Registermarken in einer Mehrfarbendruckpresse.

Procede et dispositif de detection des marques de repereage de l'impression dans une presse a imprimer a plusieurs couleurs.

PATENT ASSIGNEE:

BOBST S.A., (1125400), Case Postale, CH-1001 Lausanne, (CH), (applicant designated states: AT;BE;DE;DK;ES;FR;GB;IT;LU;NL;SE)

INVENTOR:

Roch, Roger, Ch. du Signal 17, CH-1304 Cossonay-Ville, (CH)

Vitous, Vaclav, Ch. de Cocagne 16, CH-1030 Bussigny, (CH)

Kammenos, Panayotis, Grand Rue, CH-1183 Bursins, (CH)

LEGAL REPRESENTATIVE:

Colomb, Claude (24961), BOBST S.A., Service des Brevets, Case Postale, CH-1001 Lausanne, (CH)

PATENT (CC, No, Kind, Date): EP 401691 A2 901212 (Basic)

EP 401691 A3 910724

EP 401691 B1 940316

APPLICATION (CC, No, Date): EP 90110405 900601;

PRIORITY (CC, No, Date): CH 892181 890608

DESIGNATED STATES: AT; BE; DE; DK; ES; FR; GB; IT; LU; NL; SE

INTERNATIONAL PATENT CLASS: B41F-033/00;

TRANSLATED ABSTRACT WORD COUNT: 167

ABSTRACT WORD COUNT: 198

LANGUAGE (Publication,Procedural,Application): French; French; French

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 1093 |
| CLAIMS B | (German) | EPBBF1 | 944 |
| CLAIMS B | (French) | EPBBF1 | 1106 |
| SPEC B | (French) | EPBBF1 | 2762 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 5905 |
| Total word count - documents A + B | | | 5905 |

...SPECIFICATION 18 comprend egalement une unite de discrimination 30 composee d'un generateur de champ de base 31, un agrandisseur de champ de base 32, un comparateur d'images 33, un calculateur du centre geometrique de champ de base 34, un detecteur de temoin d'impression de couleur 35, un calculateur du centre geometrique de temoin d'impression de couleur 36...

16/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00310127

Photomechanical apparatus using photoelectric scanning.

Fotomechanischer Apparat unter Verwendung von fotoelektrischer Abtastung.

Appareil photomecanique utilisant l'analyse photo-electrique.

PATENT ASSIGNEE:

YAMATOYA & CO., LTD., (953240), 9-7, Toranomom 5-chome Minato-ku, Tokyo

105, (JP), (applicant designated states: DE;GB)
 INVENTOR:
 Numakura, Takashi, 1716, Wada, Tama-shi Tokyo 206, (JP)
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 Kanagawa-ken 213, (JP)
 Numakura, Iwao, 1716, Wada, Tama-shi Tokyo 206, (JP)
 LEGAL REPRESENTATIVE:
 Jackson, Peter Arthur et al (32251), GILL JENNINGS & EVERY, Broadgate
 House, 7 Eldon Street, London EC2M 7LH, (GB)
 PATENT (CC, No, Kind, Date): EP 286241 A2 881012 (Basic)
 EP 286241 A3 891123
 EP 286241 B1 930210
 APPLICATION (CC, No, Date): EP 88302097 880310;
 PRIORITY (CC, No, Date): JP 8755831 870311; JP 8767330 870320; JP 87165231
 870703
 DESIGNATED STATES: DE; GB
 INTERNATIONAL PATENT CLASS: H04N-001/40;
 ABSTRACT WORD COUNT: 107

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 321 |
| CLAIMS B | (German) | EPBBF1 | 315 |
| CLAIMS B | (French) | EPBBF1 | 338 |
| SPEC B | (English) | EPBBF1 | 10365 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 11339 |
| Total word count - documents A + B | | | 11339 |

...SPECIFICATION is then formed on a film. Test pictures obtained in the above-described manner are **compared** with the **printed** halftone **picture** corresponding to the **base** plate. The **test** picture having the same quality as the latter halftone picture is chosen. Let's now assume by way of example that the density range of the **printed** picture and (epsilon) value were 0.85 and 1.16449 respectively when the original picture was **reduced** to one half, 1. **10** and 1.08629 **respectively** when the original **picture** was enlarged to 200%, and 1.25 and 1.05958 respectively when the original picture...

...and 4/8 of the density range of the original picture, to determine from the **halftone** characteristic curve at which percentages the dot area percentages to be given to the positions...

...the modification (or change) of the tone of a picture concurrently with the tonal conversion **of** the picture by using Table 6.
 The modification (or change) of the picture is needed...

16/3,K/12 (Item 12 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00310124

Tonal conversion method for pictures.

Tonumsetzungsverfahren fur Bilder.

Procede de conversion de tonalites pour images.

PATENT ASSIGNEE:

YAMATOYA & CO., LTD., (953240), 9-7, Toranomom 5-chome Minato-ku, Tokyo
 105, (JP), (applicant designated states: DE;GB)

INVENTOR:

Numakura, Takashi, 1716, Wada, Tama-shi Tokyo 206, (JP)
Numakura, Iwao, 1716, Wada, Tama-shi Tokyo 206, (JP)
Kitazawa, Susumu, 4-36, Inukura 2-chome Miyamae-ku, Kawasaki-shi
Kanagawa-ken 213, (JP)

LEGAL REPRESENTATIVE:

Jackson, Peter Arthur et al (32251), GILL JENNINGS & EVERY, Broadgate
House, 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 282305 A2 880914 (Basic)
... EP 282305 A3 891115
EP 282305 B1 930303

APPLICATION (CC, No, Date): EP 88302094 880310;

PRIORITY (CC, No, Date): JP 8755831 870311; JP 882590 880111

DESIGNATED STATES: DE; GB

INTERNATIONAL PATENT CLASS: H04N-001/40;

ABSTRACT WORD COUNT: 72

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 312 |
| CLAIMS B | (German) | EPBBF1 | 309 |
| CLAIMS B | (French) | EPBBF1 | 317 |
| SPEC B | (English) | EPBBF1 | 11961 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 12899 |
| Total word count - documents A + B | | | 12899 |

...SPECIFICATION toward the H side for enlargement. A halftone picture is then formed on a film.

Test pictures obtained in the above-described manner are **compared** with the **printed** halftone **picture** corresponding to the **base** plate.

The test **picture** having the same quality as the latter halftone picture is chosen. Let's now assume...

...was reduced to one half, 1.10 and 1.08629 respectively when the original picture **was** enlarged to 200 %, and 1 .25 and 1. **05958** respectively when the **original** picture was enlarged to 400%.

Halftone characteristic **curves** for the above reduction/enlargement rates are then drawn. Based on the crossing points between...

16/3,K/13 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00290675

Bacterial cellulose as surface treatment for fibrous web.

Bakterienzellulose fur die Oberflachenbehandlung von Faserbahnen.

Cellulose bacterienne pour le traitement en surface d'une feuille fibreuse.

PATENT ASSIGNEE:

WEYERHAEUSER COMPANY, (318130), , Tacoma, WA 98477, (US), (applicant
designated states: AT;BE;DE;ES;FR;GB;IT;NL;SE)

INVENTOR:

Johnson, Donald Curtis, 33936 134th Avenue SE, Auburn, WA 98002, (US)
LeBlanc, Henry Albert, 30042- 14th South, Federal Way, WA 98125, (US)
Neogi, Amar Nath, 12531 17th Avenue NE, Seattle, WA 98125, (US)

LEGAL REPRESENTATIVE:

Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner (100721),
Maximilianstrasse 58, D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 289993 A2 881109 (Basic)
EP 289993 A3 901205
EP 289993 B1 940309
APPLICATION (CC, No, Date): EP 88107104 880503;
PRIORITY (CC, No, Date): US 45985 870504; US 166283 880310; US 172720
880406
DESIGNATED STATES: AT; BE; DE; ES; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: B41M-005/00; D21H-019/52; D21H-019/34;
ABSTRACT WORD COUNT: 95

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 276 |
| CLAIMS B | (German) | EPBBF1 | 265 |
| CLAIMS B | (French) | EPBBF1 | 316 |
| SPEC B | (English) | EPBBF1 | 6639 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 7496 |
| Total word count - documents A + B | | | 7496 |

...SPECIFICATION a high grade lightweight coated offset paper. (see image in original document)

The improvement in **print** properties such as gloss **difference** and brightness drop over **the base** stock are immediately apparent. The **sample** with the higher BAC **usage** run at a higher speed approached the high grade offset paper in properties.
Example 10...

16/3,K/14 (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00271292

Twin-ply paper.

Zweischichtiges Papier.

Papier a deux couches.

PATENT ASSIGNEE:

XEROX CORPORATION, (219781), Xerox Square - 020, Rochester New York 14644
, (US), (applicant designated states: DE;FR;GB;SE)

INVENTOR:

Oliver, John Frederick, 1293 Prince Albert Court, Mississauga Ontario L5H
3R9, (CA)

Jones, Arthur Y., 4160 Jefton Crescent, Mississauga Ontario L5L 1Z3, (CA)

LEGAL REPRESENTATIVE:

Weatherald, Keith Baynes et al (37421), Rank Xerox Patent Department
Albion House, 55 New Oxford Street, London WC1A 1BS, (GB)

PATENT (CC, No, Kind, Date): EP 262983 A1 880406 (Basic)
EP 262983 B1 930512

APPLICATION (CC, No, Date): EP 87308767 871002;

PRIORITY (CC, No, Date): US 914212 861002

DESIGNATED STATES: DE; FR; GB; SE

INTERNATIONAL PATENT CLASS: D21H-027/30; B32B-029/00; B41M-001/36;
D21H-011/00; D21H-011/12; D21H-017/20; D21H-017/68

ABSTRACT WORD COUNT: 78

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|-----------|--------|------------|
| CLAIMS B | (English) | EPBBF1 | 213 |

| | | | |
|------------------------------------|-----------|--------|------|
| CLAIMS B | (German) | EPBBF1 | 179 |
| CLAIMS B | (French) | EPBBF1 | 266 |
| SPEC B | (English) | EPBBF1 | 3511 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 4169 |
| Total word count - documents A + B | | | 4169 |

...SPECIFICATION formed, wet structure in a wet press, as indicated herein, to form a three-ply **structure** . **Print** quality and ink drying performance of this three ply-sheet was similar to the twin...

16/3,K/15 (Item 1 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
 (c) 2004 WIPO/Univentio. All rts. reserv.

01126995 **Image available**

TWO-LAYER ENCODING FOR HYBRID HIGH-DEFINITION DVD
CODAGE A DEUX COUCHES POUR DVD HAUTE DEFINITION HYBRIDE

Patent Applicant/Assignee:

THOMSON LICENSING S A, 46, Quai A. Le Gallo, F-92648 Boulogne, FR, FR
 (Residence), FR (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

LIN Shu, 9339 D Notre Dame Drive, Indianapolis, IN 46240, US, US
 (Residence), CN (Nationality), (Designated only for: US)
 COMER Mary Lafuze, 2571 West 975 South, Fairmount, IN 46928, US, US
 (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

TRIPOLI Joseph S (et al) (agent), c/o Thomson Licensing Inc., Two
 Independence Way, Suite #200, Princeton, NJ 08540, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200449732 A1 20040610 (WO 0449732)
 Application: WO 2003US33871 20031027 (PCT/WO US03033871)
 Priority Application: US 2002428853 20021125

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
 LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
 SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
 SI SK TR
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3823

Fulltext Availability:
 Claims

Claim

... various other peripheral units may be connected to the computer platform such as an additional **data** storage unit and a **printing** unit. It is to be further understood that, because some of the constituent system components...

16/3,K/16 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01073672 **Image available**

CLASSIFYING IMAGE AREAS OF A VIDEO SIGNAL

CLASSIFICATION DES ZONES D'IMAGE D'UN SIGNAL VIDEO

Patent Applicant/Assignee:

PIXONICS INC, 3045 Park Boulevard, Palo Alto, CA 94306, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GARRIDO Diego, 124 Cambridge Lane, Newton, PA 18940, US, US (Residence),
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WEBB Richard, 2700 All View Way, Belmont, CA 94002, US, US (Residence),
US (Nationality), (Designated only for: US)

BUTLER Simon, 44 Ridgewood Drive, San Rafael, CA 94901, US, US
(Residence), GB (Nationality), (Designated only for: US)

FOGG Chad, #16 Bldg. C-100, 126 SW 148th Street, Seattle, WA 98166, US,
US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

KING John J (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087,
Chicago, IL 60610, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2003102868 A2-A3 20031211 (WO 03102868)

Application: WO 2003US16877 20030528 (PCT/WO US03016877)

Priority Application: US 2002384047 20020529

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18044

Fulltext Availability:

Detailed Description

Detailed Description

... high frequency and high perceptible patterns in the HD image.

Unfortunately, sufficient clues in the **base image** are not accessible
to accurately estimate the actual **difference information** for those
areas, although reasonable guesses bounded by constraints **imprinted** in
the base layer are possible, and have been developed by various prior
"sub-pixel..."

16/3,K/17 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01073006 **Image available**

MAINTAINING A PLURALITY OF CODEBOOKS RELATED TO A VIDEO SIGNAL

MISE A JOUR D'UNE PLURALITE DE TABLES DE CODAGE LIEES A UN SIGNAL VIDEO

Patent Applicant/Assignee:

PIXONICS INC, 3045 Park Boulevard, Palo Alto, CA 94306, US, US
 (Residence), US (Nationality), (For all designated states except: US)
 Patent Applicant/Inventor:
 GARRIDO Diego, 124 Cambridge Lane, Newtown, PA 18490, US, US (Residence),
 BR (Nationality), (Designated only for: US)
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 US (Nationality), (Designated only for: US)
 BUTLER Simon, 44 Ridgewood Drive, San Rafael, CA 94901, US, US
 (Residence), GB (Nationality), (Designated only for: US)
 FOGG Chad, #16 Bldg. C-100, 126 SW 148th Street, Seattle, WA 98166, US,
 US (Residence), US (Nationality), (Designated only for: US)
 Legal Representative:
 KING John J (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087,
 Chicago, IL 60610, US,
 Patent and Priority Information (Country, Number, Date):
 Patent: WO 2003103289 A1 20031211 (WO 03103289)
 Application: WO 2003US17001 20030528 (PCT/WO US0317001)
 Priority Application: US 2002384047 20020529
 Designated States:
 (Protection type is "patent" unless otherwise stated - for applications
 prior to 2004)
 AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SD SE SG
 SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
 SI SK TR
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 (EA) AM AZ BY KG KZ MD RU TJ TM
 Publication Language: English
 Filing Language: English
 Fulltext Word Count: 18035
 Fulltext Availability:
 Detailed Description

Detailed Description

... high frequency and high perceptible patterns in the HD image.
 Unfortunately, sufficient clues in the **base image** are not accessible
 to accurately estimate the actual **difference** information for those
 areas, although reasonable guesses bounded by constraints **imprinted** in
 the base layer are possible, and have been developed by various prior
 "sub-pixel..."

16/3,K/18 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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01072946 **Image available**

VIDEO INTERPOLATION CODING

CODAGE VIDEO PAR INTERPOLATION

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

GARRIDO Diego, 124 Cambridge Lane, Newton, PA 18940, US, US (Residence),
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 WEBB Richard, 2700 All View Way, Belmont, CA 94002, US, US (Residence),

US (Nationality), (Designated only for: US)
BUTLER Simon, 44 Ridgewood Drive, San Rafael, CA 94901, US, US
(Residence), GB (Nationality), (Designated only for: US)
FOGG Chad, #16 Bldg. C-100, 126 SW 148th Street, Seattle, WA 98166, US,
US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
KING John J (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087,
Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003103178 A1 20031211 (WO 03103178)
Application: WO 2003US16830 20030528 (PCT/WO US0316830)
Priority Application: US 2002384047 20020529
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 18156

Fulltext Availability:
Detailed Description

Detailed Description

... high frequency and high perceptible patterns in the HD image.
Unfortunately, sufficient clues in the **base image** are not accessible
to accurately estimate the actual **difference information** for those
areas, although reasonable guesses bounded by constraints **imprinted** in
the base layer are possible, and have been developed by various prior
"sub-pixel..."

16/3,K/19 (Item 5 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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01072929 **Image available**

PREDICTIVE INTERPOLATION OF A VIDEO SIGNAL INTERPOLATION PREDICTIVE D'UN SIGNAL VIDEO

Patent Applicant/Inventor:

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BR (Nationality)
WEBB Richard, 2700 All View Way, Belmont, CA 94002, US, US (Residence),
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BUTLER Simon, 44 Ridgewood Drive, San Rafael, CA 94901, US, US
(Residence), GB (Nationality)
FOGG Chad, #16 Bldg. C-100, 126 SW 148th Street, Seattle, WA 98166, US,
US (Residence), US (Nationality)

Legal Representative:

KING John J (agent), Brinks Hofer Gilson & Lione, P.O. Box 10087,
Chicago, IL 60610, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003103288 A1 20031211 (WO 03103288)

Application: WO 2003US16781 20030528 (PCT/WO US0316781)

Priority Application: US 2002384047 20020529

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ

EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE

SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17970

Fulltext Availability:

Detailed Description

Detailed Description

... high frequency and high perceptible patterns in the HD image.

Unfortunately, sufficient clues in the **base image** are not accessible to accurately estimate the actual **difference information** for those areas, although reasonable guesses bounded by constraints **imprinted** in the base layer are possible, and have been developed by various prior "sub-pixel...

16/3,K/20 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01051319 **Image available**

**METHOD, SYSTEM, AND PROGRAM FOR AN IMPROVED ENTERPRISE SPATIAL SYSTEM
PROCEDE, SYSTEME ET LOGICIEL POUR UN SYSTEME SPATIAL AMELIORE D'ENTREPRISE**

Patent Applicant/Assignee:

QUESTERRA CORPORATION, MeadWestvaco Corporation, 5255 Virginia Avenue,
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Inventor(s):

DYRNAES David N, 168 Lessay, Newport Coast, CA 92657, US,
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WAYMAN Jared P, 29422 Vista Plaza Drive, Laguna Niguel, CA 92677, US,
KUMAR C Suresh, 6 Blue Spruce Drive, Ladera Ranch, CA 92694, US,
TRIVELPIECE Craig E, 124-B 46TH sTREET, Newport Beach, CA 92663, US,
MIHALICH Joseph, 51 Tradition Lane, Rancho Santa Margarita, CA 92688, US,

JENKINS Anthony P, 2 Heartwood Way, Aliso Viejo, CA 92656, US,

STIER Mark A, 28341 La Bajada Laguna, Niguel, CA 92677, US,

ODOM Richard H Jr, 2303 Whippoorwill Road, Charlottesville, VA 22901, US,

Legal Representative:

MCDANIEL Terry B (et al) (agent), Westvaco Corporation, 5255 Virginia
Avenue, Charleston, SC 29423-8005, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200381388 A2 20031002 (WO 0381388)

Application: WO 2003US8296 20030317 (PCT/WO US0308296)

Priority Application: US 2002364807 20020316

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 108397

Fulltext Availability:

Detailed Description

Detailed Description

... of the different stages and functions of each stage: (a) data acquisition stage; (b) data **extraction** stage; (c) data transformation state; and, (d) GIS product inventory creation stage. The data acquisition...

16/3,K/21 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01024715 **Image available**

**GENERATING GRAPHICAL CODES BY HALFTONING WITH EMBEDDED GRAPHICAL ENCODING
PRODUCTION DE CODES GRAPHIQUES PAR CREATION DE GRISES AVEC CODAGE GRAPHIQUE
INTEGRE**

Patent Applicant/Assignee:

HEWLETT-PACKARD COMPANY, 3000 Hanover Street, M/S 1051, Palo Alto, CA
94304-1112, US, US (Residence), US (Nationality)

Inventor(s):

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94085, US,
YEN Jonathan, 1431 Pine Grove Way, San Jose, CA 95129, US,

Legal Representative:

HEMINGER Susan E (agent), Hewlett-Packard Company, IP Administration,
P.O. Box 272400, Ft. Collins, CO 80527-2400, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200354786 A1 20030703 (WO 0354786)
Application: WO 2002US39088 20021206 (PCT/WO US0239088)
Priority Application: US 200127523 20011219

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6510

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... base image having halftone regions representative of an original image is generated. Regions of the **base image** are **compared** probabilistically to a set of graphical code words to obtain a sequence of graphical code...

Claim

... of a message.

23 A method of decoding a graphical bar code, comprising:
generating a **base image** having **halftone** regions representative of an original image;
probabilistically **comparing** regions of the **base image** to a set of graphical code words to obtain a sequence of graphical code words...
readable medium and comprising computer-readable instructions for causing a computer to:
generate a **base image** having **halftone** regions representative of an original image; probabilistically **compare** regions of the **base image** to a set of graphical code words to obtain a sequence of graphical code words...

16/3,K/22 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00910881 **Image available**

SCALABLE, FRAUD RESISTANT GRAPHICAL PAYMENT INDICIA

ATTESTATION GRAPHIQUE DE PAIEMENT INVOLABLE ET A ECHELLE MODIFIABLE

Patent Applicant/Assignee:

HEWLETT-PACKARD COMPANY, 3000 Hanover Street, Palo Alto, CA 94303-1181,
US, US (Residence), US (Nationality)

Inventor(s):

YEN Jonathan, 1431 Pine Grove Way, San Jose, CA 95129, US,
SAW Chit Wei, 20350 Stevens Creek Blvd., #419, Cupertino, CA 95014, US,
SHAKED Doron, 16A Mapu Street, 34361 Haifa, IL,
LEVY Avraham, 198 Haemek Street, 36084 Kiryat-Tivon, IL,

Legal Representative:

HEMINGER Susan (agent), Hewlett-Packard Company, Legal Department, IP
Section, P.O. Box 272400, Ft. Collins, CO 80527-2400, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200245028 A2-A3 20020606 (WO 0245028)

Application: WO 2001US45069 20011128 (PCT/WO US01045069)

Priority Application: US 2000728297 20001201

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4075

Fulltext Availability:
Claims

Claim

... a decoded message; and
extracting from the decoded message payment information (12) encoded in
the **payment** indicium. (14).

7 A method of generating a payment indicium (14), comprising:
rendering a payment indicium (14) containing embedded payment information
(12) on a **printing** surface with a printing characteristic that degrades
with photographic reproductions such that the embedded payment...

16/3,K/23 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00549774 **Image available**

SYSTEM AND METHOD FOR COMBINING MULTIPLE VIDEO STREAMS
SYSTEME ET PROCEDE DE COMBINAISON DE FLUX DE DONNEES VIDEO

Patent Applicant/Assignee:

SILICON GRAPHICS INC,

Inventor(s):

BOWEN Andrew,
EITZMANN Gregory M,
WARREN David,
MAXON Dawn,
JONES Michael T,
DIGNAM David L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200013147 A1 20000309 (WO 0013147)
Application: WO 99US19502 19990826 (PCT/WO US9919502)
Priority Application: US 98140396 19980826

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 13381

English Abstract

...to provide a constant frame rate, despite varying frame complexity,
the process similarly treats overlay **images** and even other **base**
images . In the dynamic sizing process, a rendering time is **compared**
(604) to high and low **water marks** (606, 612). During dynamic
resizing, two double buffering operations and a synchronization operation
are performed...

16/3,K/24 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00329860 **Image available**

APPARATUS FOR SCANNING TELEVISION PROGRAM SCHEDULING INFORMATION
APPAREIL DE BALAYAGE D'INFORMATIONS RELATIVES A DES PROGRAMMES D'EMISSIONS
DE TELEVISION

Patent Applicant/Assignee:

GEMSTAR DEVELOPMENT CORPORATION,

Inventor(s):

YUEN Henry C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9612371 A1 19960425

Application: WO 95US13471 19951012 (PCT/WO US9513471)

Priority Application: US 94321549 19941012

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
TM TT UA UG UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC
NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9267

Fulltext Availability:

Detailed Description

Detailed Description

... provides another illustration of a scanned entry 156 that results from
a scan of the **print** image 140 where the scanner is positioned such that
CCD array is perpendicular to the **print image** 140. By **comparing**
base 172 of corner portion 168 and base 174 of corner portion 170 as
illustrated in...

| Set | Items | Description |
|------|--|---|
| S1 | 988 | AU=(YEN J? OR YEN, J?) |
| S2 | 2435458 | COMPAR? OR DIFFERENC? OR EXTRACT? |
| S3 | 1587180 | IMAGE? ? OR PICTURE? OR PICTORIAL OR PICTORAL OR PHOTO? ? OR PHOTOGRAPH? |
| S4 | 257962 | PRINT? OR INDICIA? OR IMPRESS? OR IMPRINT? |
| S5 | 481648 | TOKEN? ? OR CODE? ? OR DECOD? OR CODING OR ENCRYPT? OR ENC- RIPT? OR DECRYPT? OR DECIPT? OR ENCOD? |
| S6 | 3688123 | PAY? OR INFORMATION OR INFO OR DATA |
| S7 | 8272 | WATERMARK? OR WATER()MARK? ? OR HALFTONE? ? OR HALF()TONE? ? |
| S8 | 2131 | POSTAGE? ? OR FRANKING? |
| S9 | 1399 | S3(3N)BASE |
| S10 | 59 | S2(10N)S9 |
| S11 | 66419 | S2(12N)S3 |
| S12 | 828 | S11(20N)S4 |
| S13 | 37 | S12 AND (S7 OR S8) |
| S14 | 96 | S10 OR S13 |
| S15 | 67 | S14 NOT PY>2000 |
| S16 | 67 | S15 NOT PD=20000527:20040906 |
| S17 | 65 | RD (unique items) |
| File | 2:INSPEC 1969-2004/Aug W5 | (c) 2004 Institution of Electrical Engineers |
| File | 35:Dissertation Abs Online 1861-2004/Aug | (c) 2004 ProQuest Info&Learning |
| File | 65:Inside Conferences 1993-2004/Sep W1 | (c) 2004 BLDSC all rts. reserv. |
| File | 99:Wilson Appl. Sci & Tech Abs 1983-2004/Jul | (c) 2004 The HW Wilson Co. |
| File | 233:Internet & Personal Comp. Abs. 1981-2003/Sep | (c) 2003 EBSCO Pub. |
| File | 474:New York Times Abs 1969-2004/Sep 06 | (c) 2004 The New York Times |
| File | 475:Wall Street Journal Abs 1973-2004/Sep 03 | (c) 2004 The New York Times |
| File | 583:Gale Group Globalbase(TM) 1986-2002/Dec 13 | (c) 2002 The Gale Group |
| File | 256:TecInfoSource 82-2004/Jul | (c)2004 Info.Sources Inc |

17/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7062233 INSPEC Abstract Number: B2001-11-6135C-117, C2001-11-5260B-287

Title: Copyright labeling of printed images

Author(s): Hel-Or, H.Z.

Author Affiliation: Dept. of Comput. Sci., Haifa Univ., Israel

Conference Title: 21st IEEE Convention of the Electrical and Electronic Engineers in Israel. Proceedings (Cat. No.00EX377) p.389-92

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 507 pp.

ISBN: 0 7803 5842 2 Material Identity Number: XX-2001-01041

U.S. Copyright Clearance Center Code: 0 7803 5842 2/2000/\$10.00

Conference Title: 21st IEEE Convention of the Electrical and Electronic Engineers in Israel. Proceedings

Conference Date: 11-12 April 2000 Conference Location: Tel-Aviv, Israel

Language: English

Subfile: B C

Copyright 2001, IEE

Abstract: The method of digital **watermarking** is a labeling technique for digital images which embeds a code into the digital data so the data are marked. **Watermarking** techniques previously developed deal with on-line digital data. These techniques were developed to withstand...

...However, one must also consider the readily available attack of printing and scanning. The available **watermarking** techniques are not reliable under printing and scanning. In fact, one must consider the availability of **watermarks** for printed images as well as for digital images. An important issue is to intercept...

... validate sensitive and secret printed material. In this work we propose a method of embedding **watermarks** in **printed** images by inherently, taking advantage of the **printing** process. The method is visually unobtrusive to the **printed image**, the **watermark** is easily **extracted** and is robust under reconstruction errors. The decoding algorithm is automatic following scanning of the...

...Identifiers: digital **watermarking** ;

17/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6861442 INSPEC Abstract Number: A2001-08-8760I-004, B2001-04-7510N-038, C2001-04-7330-201

Title: Hybrid artificial neural network segmentation of precise and accurate inversion recovery (PAIR) images from normal human brain

Author(s): Glass, J.O.; Reddick, W.E.; Goloubeva, O.; Yo, V.; Steen, R.G.

Author Affiliation: Dept. of Diagnostic Imaging, St. Jude Children's Res. Hosp., Memphis, TN, USA

Journal: Magnetic Resonance Imaging vol.18, no.10 p.1245-53

Publisher: Elsevier,

Publication Date: Dec. 2000 Country of Publication: USA

CODEN: MRIMDQ ISSN: 0730-725X

SICI: 0730-725X(200012)18:10L:1245:HANN;1-Y

Material Identity Number: F149-2001-002

U.S. Copyright Clearance Center Code: 0730-725X/2000/\$20.00

Language: English
Subfile: A B C
Copyright 2001, IEE

...Abstract: of GM, WM, and CSF. The method presented was validated against manual segmentation of the **base images** by three experienced observers. **Comparing** segmented outputs directly to the manual segmentation revealed a difference of less than 2% in...

17/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6847707 INSPEC Abstract Number: A2001-07-4230-011, B2001-04-6135-014, C2001-04-5260B-014

Title: Optical/digital identification/verification system based on digital watermarking technology

Author(s): Herrigel, A.; Voloshynovskiy, S.; Hrytskiv, Z.

Author Affiliation: Digital Copyright Technol., Zurich, Switzerland

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.4148 p.170-6

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2000 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2000)4148L:170:ODIV;1-R

Material Identity Number: C574-2000-194

U.S. Copyright Clearance Center Code: 0277-786X/2000/\$15.00

Conference Title: Optoelectronic and Hybrid Optical/Digital Systems for Image and Signal Processing

Conference Sponsor: SPIE Ukraine Chapter; STCU-Sci. & Technol. Center Ukraine

Conference Date: 21-24 Sept. 1999 Conference Location: Lviv, Ukraine

Language: English

Subfile: A B C

Copyright 2001, IEE

Title: Optical/digital identification/verification system based on digital watermarking technology

...Abstract: documents. The system embeds (detects) the reference number of the identification document with the DCT **watermark** technology in (from) the owners **photo** of the identification document holder. During verification the reference number is **extracted** and compared with the reference number **printed** in the identification document. The approach combines optical and digital image processing techniques. The detection...

... passport, convert the image of this document into a digital representation and then apply the **watermark** verification algorithm to check the payload of the embedded **watermark** . If the payload of the **watermark** is identical with the printed visual reference number of the issuer, the verification was successful...

... license has not been modified. This approach constitutes a new class of application for the **watermark** technology, which was originally targeted for the copyright protection of digital multimedia data. The presented...

...Identifiers: digital **watermarking** technology...

...DCT **watermark** technology...

17/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6798678 INSPEC Abstract Number: B2001-02-6135E-031, C2001-02-5260B-095

Title: Development of image processing technique for detection of tunnel wall deformation using continuously scanned image

Author(s): Ukai, M.

Journal: Quarterly Report of RTRI vol.41, no.3 p.120-6

Publisher: Ken-yusha for Railway Tech. Res. Inst,

Publication Date: Sept. 2000 Country of Publication: Japan

CODEN: QURREG ISSN: 0033-9008

SICI: 0033-9008(200009)41:3L:120:DIPT;1-R

Material Identity Number: E369-2000-004

Language: English

Subfile: B C

Copyright 2001, IEE

...Abstract: inspection system of tunnel wall deformation. Especially, we focus on the image processing technique to **extract** those deformations. We completed an original **image** processing data-**base** system and a graphical user interface for convenient and easy operation. This system enables us...

17/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6747173 INSPEC Abstract Number: B2000-12-6135-143, C2000-12-5260B-188

Title: Accelerated image halftoning technique using improved genetic algorithm

Author(s): Aguirre, H.; Tanaka, K.; Sugimura, T.

Author Affiliation: Fac. of Eng., Shinshu Univ., Nagano, Japan

Journal: IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences Conference Title: IEICE Trans. Fundam. Electron. Commun. Comput. Sci. (Japan) vol.E83-A, no.8 p.1566-74

Publisher: Inst. Electron. Inf. & Commun. Eng,

Publication Date: Aug. 2000 Country of Publication: Japan

CODEN: IFEXEX ISSN: 0916-8508

SICI: 0916-8508(200008)E83A:8L:1566:AIHT;1-O

Material Identity Number: P710-2000-008

Conference Title: 14th Digital Signal Processing Symposium

Conference Date: 18-19 Nov. 1999 Conference Location: Kitakyushu, Japan

Language: English

Subfile: B C

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...Abstract: and CM's offspring to compete for survival. The simulation results show that our scheme **impressively** reduces computer memory and processing time required to obtain high quality **halftone images**. For example, **compared** to the conventional **image** halftoning technique with GA, the proposed algorithm using only a 2% population size required about ...

17/3,K/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6668618 INSPEC Abstract Number: B2000-09-6135-192, C2000-09-5260B-272
Title: Document image segmentation and quality improvement by moire pattern analysis
Author(s): Yang, J.C.-Y.; Wen-Hsiang Tsai
Author Affiliation: Dept. of Comput. & Inf. Sci., Nat. Chiao Tung Univ., Hsinchu, Taiwan
Journal: Signal Processing: Image Communication vol.15, no.9 p. 781-97
Publisher: Elsevier,
Publication Date: July 2000 Country of Publication: Netherlands
CODEN: SPICEF ISSN: 0923-5965
SICI: 0923-5965(200007)15:9L:781:DISQ;1-Z
Material Identity Number: N528-2000-004
U.S. Copyright Clearance Center Code: 0923-5965/2000/\$20.00
Language: English
Subfile: B C
Copyright 2000, IEE

...Abstract: and quality improvement. The moire phenomenon comes from sampling periodical structures in images, such as **halftone** screens, color components, and text galleys which often appear in printed magazines and newspapers. The...

...The new method is actually performed in the spatial domain. The proposed method can efficiently **extract** gray or color **pictures**, artworks, and text paragraphs in **printed** documents. Moreover, the moire patterns on the segmented document components can be easily suppressed. The...

...Identifiers: **halftone** screens

17/3,K/7 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6521913 INSPEC Abstract Number: B2000-04-7510-029, C2000-04-7330-302
Title: Segmentation and analysis of liver cancer pathological color images based on artificial neural networks
Author(s): Sammouda, M.; Sammouda, R.; Niki, N.; Mukai, K.
Author Affiliation: Dept. of Opt. Sci. & Technol., Tokushima Univ., Japan
Conference Title: Proceedings 1999 International Conference on Image Processing (Cat. 99CH36348) Part vol.3 p.392-6 vol.3
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 1999 Country of Publication: USA 4
vol.(lxxix+676+977+952+449) pp.
ISBN: 0 7803 5467 2 Material Identity Number: XX-2000-00003
U.S. Copyright Clearance Center Code: 0 7803 5467 2/99/\$10.00
Conference Title: Proceedings of 6th International Conference on Image Processing (ICIP'99)
Conference Sponsor: IEEE Signal Process. Soc.; IEICE
Conference Date: 24-28 Oct. 1999 Conference Location: Kobe, Japan
Language: English
Subfile: B C
Copyright 2000, IEE

...Abstract: B, H-S-V and H-L-S color spaces and the segmentation results are **comparatively** presented with discussion and physician comments. Most of the data **base** of liver color **images** that we have collected have been successfully segmented with the exception of some images which...

17/3,K/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6352800 INSPEC Abstract Number: C1999-10-6130D-017

Title: A feature calibration method for watermarking of document images

Author(s): Amano, T.; Misaki, D.

Author Affiliation: Tokyo Res. Lab., IBM Res., Kanagawa, Japan

Conference Title: Proceedings of the Fifth International Conference on Document Analysis and Recognition. ICDAR '99 (Cat. No.PR00318) p.91-4

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1999 Country of Publication: USA xxiv+821 pp.

ISBN: 0 7695 0318 7 Material Identity Number: XX-1999-02326

U.S. Copyright Clearance Center Code: 0 7695 0318 7/99/\$10.00

Conference Title: Proceedings of the Fifth International Conference on Document Analysis and Recognition

Conference Sponsor: Int. Assoc. for Pattern Recognition

Conference Date: 20-22 Sept. 1999 Conference Location: Bangalore, India

Language: English

Subfile: C

Copyright 1999, IEE

Title: A feature calibration method for watermarking of document images

Abstract: This paper describes a feature calibration scheme for use in embedding and detecting **watermarks** in document images. Such **watermarks** have a variety of uses, including copyright protection, content identification, and tamper-proofing. In general, a **watermark** is encoded as a displacement of certain features that can be **extracted** from target document **images**. One of the technical challenges is reliable detection of the displacement when images are distorted by **print** -and-scan processes. We propose a calibration method that uses the difference between a two...

...Identifiers: document image **watermark** detection...

...document image **watermark** embedding...

17/3,K/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6199874 INSPEC Abstract Number: B1999-05-6135-036, C1999-05-5260B-051

Title: A robust technique for creating panoramic images against local intensity variations

Author(s): Hoshino, J.; Masuda, I.

Author Affiliation: Image Process. Dept., SECOM Intelligent Syst. Lab., Mitakashi, Japan

Journal: Transactions of the Institute of Electronics, Information and Communication Engineers D-II vol.J82D-II, no.2 p.222-9

Publisher: Inst. Electron. Inf. & Commun. Eng,

Publication Date: Feb. 1999 Country of Publication: Japan

CODEN: DTGDE7 ISSN: 0915-1923

SICI: 0915-1923(199902)J82DII:2L.222:RTCP;1-U

Material Identity Number: M973-1999-003

Language: Japanese

Subfile: B C

Copyright 1999, IEE

...Abstract: translation in x and y direction, and the occlusion caused

by the moving objects) by **comparing** the **base image** and the input image. Then, we apply the weighted least squares method to eliminate intensity...

17/3,K/10 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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6071243 INSPEC Abstract Number: A9824-8760J-001, B9812-7510B-208, C9812-7330-202

Title: Computer assisted diagnostic (CAD) methods for X-ray imaging and teleradiology

Author(s): Wei Qian; Lihua Li; Clarke, L.P.; Fei Mao; Kallergi, M.; Clark, R.A.; Thomas, J.

Author Affiliation: Dept. of Radiol., Univ. of South Florida, Tampa, FL, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3240 p.168-78

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3240L:168:CADM;1-I

Material Identity Number: C574-98071

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: 26th AIPR Workshop: Exploiting New Image Sources and Sensors

Conference Sponsor: SPIE; AIPR Executive Committee

Conference Date: 15-17 Oct. 1997 Conference Location: Washington, DC, USA

Language: English

Subfile: A B C

Copyright 1998, IEE

...Abstract: work is to provide a brief overview of both the nonadaptive and adaptive methods and **comparison** of their performance using computer ROC curves. An **image data base** containing regions of interest (ROI), enclosing all mass types and normal tissues, was used for...

17/3,K/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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6062047 INSPEC Abstract Number: A9823-9385-086, B9812-7710-047, C9812-7840-021

Title: Multiscale image segmentation with a dynamic label tree

Author(s): Rehreuer, H.; Seidel, K.; Datcu, M.

Author Affiliation: Commun. Technol. Lab., Swiss Federal Inst. of Technol., Zurich, Switzerland

Conference Title: IGARSS '98. Sensing and Managing the Environment. 1998 IEEE International Geoscience and Remote Sensing. Symposium Proceedings. (Cat. No.98CH36174) Part vol.4 p.1772-4 vol.4

Editor(s): Stein, T.I.

Publisher: IEEE, New York, NY, USA

Publication Date: 1998 Country of Publication: USA 5 vol. cxxxii+2754 pp.

ISBN: 0 7803 4403 0 Material Identity Number: XX98-01991

U.S. Copyright Clearance Center Code: 0 7803 4403 0/98/\$10.00

Conference Title: IGARSS '98. Sensing and Managing the Environment. 1998

IEEE International Geoscience and Remote Sensing. Symposium Proceedings
Conference Sponsor: IEEE; IEEE Geosci. & Remote Sensing Soc.; Univ
Washington; NASA; NOAA; Office of Naval Res.; Nat. Space Dev. Agency Japan;
URSI

Conference Date: 6-10 July 1998 Conference Location: Seattle, WA, USA
Language: English
Subfile: A B C
Copyright 1998, IEE

Abstract: Automatic information **extraction** from satellite **images** is
the **base** of remote sensing **image** archives with content-based query
services. Pyramidal image models based on multiscale Markov random fields
...

17/3,K/12 (Item 12 from file: 2)

DIALOG(R) File 2:INSPEC

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5845323 INSPEC Abstract Number: C9804-6160S-015

**Title: Spatial representation and retrieval. Getting an edge on what it
takes to find matching pairs in 3D**

Author(s): Jian Yang; Chang Li

Author Affiliation: Dept. of Electr. Eng., Missouri Univ., Rolla, MO, USA

Journal: IEEE Potentials vol.17, no.1 p.34-6

Publisher: IEEE,

Publication Date: Feb.-March 1998 Country of Publication: USA

CODEN: IEPTDF ISSN: 0278-6648

SICI: 0278-6648(199802/03)17:1L.34:SRRG;1-5

Material Identity Number: G949-98001

U.S. Copyright Clearance Center Code: 0278-6648/98/\$10.00

Language: English

Subfile: C

Copyright 1998, IEE

...Abstract: the SNL algorithm, the choice of the base point is
significant. It cannot recognize the **difference** between objects unevenly
scaled along the line to the **base** point of an **image**. To overcome these
limitations, an improved SNL algorithm was worked on. The improved
algorithm is...

17/3,K/13 (Item 13 from file: 2)

DIALOG(R) File 2:INSPEC

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5810688 INSPEC Abstract Number: B9803-6140C-032, C9803-1250-024

**Title: Strategies and geometric model for gray scale image matching:
recent progress**

Author(s): Starovoitov, V.V.

Author Affiliation: Inst. of Eng. Cybern., Acad. of Sci., Minsk,
Byelorussia

Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.3168 p.358-69

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1997 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1997)3168L.358:SGMG;1-2

Material Identity Number: C574-97290

U.S. Copyright Clearance Center Code: 0277-786X/97/\$10.00
Conference Title: Vision Geometry VI
Conference Sponsor: SPIE
Conference Date: 28-29 July 1997 Conference Location: San Diego, CA,
USA
Language: English
Subfile: B C
Copyright 1998, IEE

...Abstract: This problem has lots of applications from pure image matching to image retrieving from an **image data base**. There are various strategies and approaches to image **comparison**. In the paper we summarize many of them and give a short overview. Various types...

17/3,K/14 (Item 14 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5573303 INSPEC Abstract Number: B9706-7510B-089, C9706-7330-125

Title: Edge-shrinking interpolation for medical images

Author(s): Yuh-Hwan Liu; Yung-Nien Sun; Chi-Wu Mao; Chii-Jeng Lin

Author Affiliation: Dept. of Electr. Eng., Nat. Cheng Kung Univ., Tainan, Taiwan

Journal: Computerized Medical Imaging and Graphics vol.21, no.2 p. 91-101

Publisher: Elsevier,

Publication Date: March-April 1997 Country of Publication: UK

CODEN: CMIGEY ISSN: 0895-6111

SICI: 0895-6111(199703/04)21:2L.91:ESIM;1-J

Material Identity Number: A482-97004

U.S. Copyright Clearance Center Code: 0895-6111/97/\$17.00+.00

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: When this algorithm is applied, the nonoverlapped regions of the same object in the two **base images** are first **extracted** and encoded by a chamfer distance code on every pixel in these regions. Then, the...

17/3,K/15 (Item 15 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5550265 INSPEC Abstract Number: C9705-7330-216

Title: Knowledge-base development with a multi-decision-tree induction approach in a medical images database

Author(s): Chang, N.

Author Affiliation: Arizona Univ., Tucson, AZ, USA

Journal: International Journal on Information and Management Sciences
vol.7, no.4 p.1-13

Publisher: Graduate Inst. Manag. Sci. Tamkang Univ,

Publication Date: Dec. 1996 Country of Publication: Taiwan

CODEN: IIMSEQ ISSN: 1017-1819

SICI: 1017-1819(199612)7:4L.1:KBDW;1-F

Material Identity Number: N644-97001

Language: English

Subfile: C

Copyright 1997, IEE

...Abstract: multi-decision-tree induction (MDTI) approach, and apply it to the development of the knowledge- **base** of the **image** retrieval expert system. We present empirical **comparisons** of the MDTI approach with the backpropagation network algorithm, and the traditional knowledge acquisition approach...

17/3,K/16 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5412063 INSPEC Abstract Number: B9612-6140C-163

Title: Method of paired comparisons: subjective testing of coded images

Author(s): Glasman, C.; Andronov, V.; Vasilyev, O.; Litchakov, V.

Author Affiliation: St. Petersburg Inst. of Motion Picture & Telev., Russia

Conference Title: International Broadcasting Convention (Conf. Publ.No.428) p.343-7

Publisher: IEE, London, UK

Publication Date: 1996 Country of Publication: UK xvi+611 pp.

ISBN: 0 85296 663 6 Material Identity Number: XX96-02814

Conference Title: International Broadcasting Convention (Conf. Publ.No.428)

Conference Sponsor: IEEE; IEE; Int. Assoc. Broadcasting Manuf.; R. Telev. Soc.; Soc. Cable Telecommun. Eng.; Soc. Motion Picture & Telev. Eng

Conference Date: 12-16 Sept. 1996 Conference Location: Amsterdam, Netherlands

Language: English

Subfile: B

Copyright 1996, IEE

Abstract: Studies the **comparative** visual perception artifacts in **images** compressed on the **base** short-time DCT and continuous wavelet transform at various compression levels.

17/3,K/17 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5346447 INSPEC Abstract Number: A9618-8170C-015, B9609-0590-032, C9609-7490-018

Title: Defect detection in industrial radiography: a multiscale approach

Author(s): Lefevre, M.

Issued by: EDF-Electricite de France, Clamart, France

Publication Date: Oct. 1995 Country of Publication: France 184 pp.

Material Identity Number: XR96-00510

Report Number: 96NB00054

Language: French

Subfile: A B C

Copyright 1996, IEE

...Abstract: then developed methods and tools for expertise guidance and validated them on a complete data **base** of **images**. Some global defect indicators have been **extracted** and a detection and localisation process has been achieved for large defects. However, the detection...

17/3,K/18 (Item 18 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5302157 INSPEC Abstract Number: C9608-5260B-022

Title: Kydon vision system: the adaptive learning model

Author(s): Mertoguno, J.S.; Bourbakis, N.G.

Author Affiliation: T. Watson Sch., Binghamton Univ., NY, USA

Journal: International Journal on Artificial Intelligence Tools
(Architectures, Languages, Algorithms) vol.4, no.4 p.453-69

Publisher: World Scientific,

Publication Date: Dec. 1995 Country of Publication: Singapore

CODEN: IAITEL ISSN: 0218-2130

SICI: 0218-2130(199512)4:4L.453:KVSA;1-Z

Material Identity Number: P897-96002

Language: English

Subfile: C

Copyright 1996, IEE

...Abstract: a full hexagonal mesh structure. Kydon uses graph models to represent and process the knowledge **extracted** from the **image**. The knowledge **base** of Kydon is distributed among its PEs. A unique model for evolving the knowledge base...

17/3,K/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5284814 INSPEC Abstract Number: C9607-7820-014

Title: Toward a model of painting-a consideration

Author(s): Ozawa, K.

Author Affiliation: Fac. of Inf. Sci. & Technol., Osaka Electro-Commun. Univ., Japan

Journal: Transactions of the Information Processing Society of Japan
vol.37, no.3 p.355-62

Publisher: Inf. Process. Soc. Japan,

Publication Date: March 1996 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

SICI: 0387-5806(199603)37:3L.355:TMPC;1-L

Material Identity Number: T205-96006

Language: Japanese

Subfile: C

Copyright 1996, IEE

...Abstract: characteristics of Ukiyoe pictures. PICS consists of a main controller, a database and a rule- **base**. Semantic **picture** elements **extracted** from Ukiyoe landscapes, painted by Hokusai and Hiroshige, have been stored in the database. The...

17/3,K/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5279646 INSPEC Abstract Number: C9607-3360J-001

Title: Study on the collision avoidance system for ships

Author(s): Sato, Y.; Ishii, H.

Author Affiliation: Coll. of Sci. & Technol., Nihon Univ., Tokyo, Japan

Journal: Transactions of the Society of Instrument and Control Engineers
vol.32, no.3 p.401-8

Publisher: Soc. Instrum. & Control Eng,
Publication Date: March 1996 Country of Publication: Japan
CODEN: TSICA9 ISSN: 0453-4654
SICI: 0453-4654(199603)32:3L:401:SCAS;1-C
Material Identity Number: T006-96005
Language: Japanese
Subfile: C
Copyright 1996, IEE

...Abstract: the collision risk from the extracted IR target image. The image of the vessel is **extracted** from the IR **image base** on the threshold set method using area information. The course and the length of a ...

17/3,K/21 (Item 21 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5240317 INSPEC Abstract Number: A9610-9110-001, B9605-7730-005, C9605-7840-015

Title: Study on extracting the adaptive agricultural development area using genetic algorithm with complex PTYPE

Author(s): Yamamoto, N.; Hoshi, T.
Author Affiliation: Government & Public Corp., Hitachi Ltd., Tokyo, Japan
Journal: Transactions of the Institute of Electronics, Information and Communication Engineers A vol.J79-A, no.3 p.650-7
Publisher: Inst. Electron. Inf. & Commun. Eng,
Publication Date: March 1996 Country of Publication: Japan
CODEN: DJTAER ISSN: 0913-5707
SICI: 0913-5707(199603)J79A:3L:650:SEAA;1-1
Material Identity Number: K838-96005
Language: Japanese
Subfile: A B C
Copyright 1996, IEE

Abstract: Geographic information can be obtained in a macro way by using as a **base** the rearranged **image** data **extracted** from orbital satellite onboard sensors. As an application example in the agricultural field, attempt to...

17/3,K/22 (Item 22 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5230664 INSPEC Abstract Number: B9605-6140C-289, C9605-5550-006

Title: A method to evaluate the image quality of halftone images in color hardcopy

Author(s): Miyata, K.; Saito, M.; Ohnishi, M.
Author Affiliation: Mitsubishi Electr. Corp., Kanagawa, Japan
Conference Title: Final Program and Advance Printing of Papers, IS&T's 48th Annual Conference. Imaging on the Information Superhighway p.526-9
Publisher: Soc. Imaging Sci. & Technol, Springfield, VA, USA
Publication Date: 1995 Country of Publication: USA xxii+535 pp.
ISBN: 0 89208 184 8 Material Identity Number: XX95-00407
Conference Title: Proceedings of 48th Annual Conference of the Society for Imaging Science and Technology
Conference Sponsor: Agfa Gevaert; Eastman Kodak; Fuji Photo Film Co.; Hewlett Packard Labs.; et al
Conference Date: 7-11 May 1995 Conference Location: Washington, DC,

USA

Language: English
Subfile: B C
Copyright 1996, IEE

Title: A method to evaluate the image quality of halftone images in color hardcopy

Abstract: Bi-level **printers** have been very popular due to their low price. However, the quality of **images** printed by these **printers** is poor compared with digital **halftone** **printers**. In this paper, we introduced the multi-level error diffusion method. It is a modified...

...Identifiers: **halftone** images

17/3,K/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5218588 INSPEC Abstract Number: C9605-7820-006

Title: Image analysis for dating of old manuscripts

Author(s): Wenger, E.; Karnaukhov, V.N.; Haidinger, A.; Merzlyakov, N.S.

Author Affiliation: Inst. of Inf. Process., Austrian Acad. of Sci., Vienna, Austria

Conference Title: Image Analysis Applications and Computer Graphics. Third International Computer Science Conference. ICSC'95. Proceedings p. 522-3

Editor(s): Chin, R.T.; Ip, H.H.S.; Naiman, A.C.; Pong, T.-C.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1995 Country of Publication: West Germany xvi+533 pp.

ISBN: 3 540 60697 1 Material Identity Number: XX95-02123

Conference Title: Proceedings of 3rd International Computer Science Conference Image Analysis Applications and Computer Graphics

Conference Sponsor: IEEE Hong Kong Sect. Comput. Chapter; IEEE Comput. Soc.; Int. Assoc. Pattern Recognition; Silicon Graphics; Sun Microsystems. California; Hong Kong Television Broadcasts; Motorola Semicond

Conference Date: 11-13 Dec. 1995 Conference Location: Hong Kong

Language: English

Subfile: C

Copyright 1996, IEE

...Abstract: digital image processing to historical sciences. A major tool for dating old undated documents are **watermarks** found in the paper. Hardcopies of the **watermarks** are scanned, preprocessed, improved and contrast enhanced by adaptive digital filtering methods for **printing**, storing in an image database, and **extracting** the **watermark** as a set of strokes from the **image**. For **extraction**, a semiautomatical procedure is suggested. The **extraction** result is a short sequence of cubic spline curves representing the **watermark** fully and allowing to select identical or similar **watermarks** from the existing database.

...Identifiers: **watermarks** ;

17/3,K/24 (Item 24 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5162226 INSPEC Abstract Number: C9602-5260B-227

Title: Analysis of the learning model for KYDON system

Author(s): Mertoguno, J.S.; Bourbakis, N.G.

Author Affiliation: Dept. of Electr. Eng., State Univ. of New York, Binghamton, NY, USA

Conference Title: Proceedings. Seventh International Conference on Tools with Artificial Intelligence (Cat. No.95CB35878) p.354-61

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1995 Country of Publication: USA xxiii+502 pp.

ISBN: 0 8186 7312 5 Material Identity Number: XX95-02807

U.S. Copyright Clearance Center Code: 1082-3409/95/\$04.00

Conference Title: Proceedings of 7th IEEE International Conference on Tools with Artificial Intelligence

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Pattern Anal. & Machine Intelligence; Binghamton Univ. - AAAI Res. Lab.; AAAI; ACM

Conference Date: 5-8 Nov. 1995 Conference Location: Herndon, VA, USA

Language: English

Subfile: C

Copyright 1996, IEE

...Abstract: a full hexagonal mesh structure. KYDON uses graph models to represent and process the knowledge, **extracted** from the **image**. The knowledge **base** of KYDON is distributed among its PE's.

17/3,K/25 (Item 25 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4923199 INSPEC Abstract Number: A9509-8760K-031, C9505-7330-177

Title: Incremental restoration of SPECT images

Author(s): Der-Shan Luo; Glick, S.J.; King, M.A.; Tin-Su Pan

Author Affiliation: Dept. of Nucl. Med., Massachusetts Univ. Med. Center, Worcester, MA, USA

Part vol.3 p.1662-6 vol.3

Editor(s): Klaisner, L.

Publisher: IEEE, New York, NY, USA

Publication Date: 1993 Country of Publication: USA 3 vol. 1930 pp.

ISBN: 0 7803 1487 5

U.S. Copyright Clearance Center Code: 0 7803 1487 5/94/\$04.00

Conference Title: 1993 IEEE Conference Record Nuclear Science Symposium and Medical Imaging Conference

Conference Date: 31 Oct.-6 Nov. 1993 Conference Location: San Francisco, CA, USA

Language: English

Subfile: A C

Copyright 1995, IEE

...Abstract: step. The VCD filter is determined from the information given by the sum of the **base image** and the filtered **difference**. When this method is implemented in one step, better resolution than that from Butterworth regularization...

17/3,K/26 (Item 26 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4901380 INSPEC Abstract Number: B9504-6140C-326, C9504-1250-168

Title: Face recognition using knowledge-based feature extraction and back-propagation algorithm

Author(s): Sang Young Lee; Young Kug Ham; Rae-Hong Park

Author Affiliation: Dept. of Electr. Eng., Sogang Univ., Seoul, South Korea

Journal: Journal of the Korean Institute of Telematics and Electronics
vol.31B, no.7 p.119-28
Publication Date: July 1994 Country of Publication: South Korea
CODEN: CKNOEZ ISSN: 1016-135X
Language: Korean
Subfile: B C
Copyright 1995, IEE

...Abstract: input image and that the background is homogeneous. Then, using vertical and horizontal projections, we **extract** features from the separated face **image** using knowledge **base** of human faces. In the recognition step, we use the back propagation algorithm of the...

17/3,K/27 (Item 27 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4867638 INSPEC Abstract Number: A9504-8760K-011
Title: The accuracy of SPECT brain activation images: propagation of registration errors
Author(s): Sychra, J.J.; Pavel, D.G.; Chen, Y.; Jani, A.
Author Affiliation: Dept. of Radiol., Univ. of Illinois Hospital, Chicago, IL, USA
Journal: Medical Physics vol.21, no.12 p.1927-32
Publication Date: Dec. 1994 Country of Publication: USA
CODEN: MPHYA6 ISSN: 0094-2405
U.S. Copyright Clearance Center Code: 0094-2405/94/21(12)/1927/6/\$1.20
Language: English
Subfile: A
Copyright 1995, IEE

Abstract: Functional single photon emission computed tomography (SPECT) images of brain activation are based on a **comparison** of **base** line and activation **images**. The correctness of the functional images depends, among other factors, on the accurate spatial registration...

17/3,K/28 (Item 28 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4666374 INSPEC Abstract Number: C9406-5260B-111
Title: Colour vision for road scene interpretation
Author(s): Sandt, F.; Aubert, D.; Festas, L.
Author Affiliation: ITMI-Technol. Dept., Meylan, France
Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1989 p.137-47
Publication Date: 1993 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
U.S. Copyright Clearance Center Code: 0 8194 1238 4/93/\$6.00
Conference Title: Computer Vision for Industry
Conference Sponsor: Eur. Opt. Soc.; Soc. Imaging Sci. & Technol.; SPIE
Conference Date: 24-25 June 1993 Conference Location: Munich, Germany
Language: English
Subfile: C

...Abstract: The authors present the identification of typical situations that have been used to create the **image** data **base**, the experimental protocol designed to **compare** the performances of the techniques and the

analysis of the experimental results. The inferred conclusions...

17/3,K/29 (Item 29 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4603659 INSPEC Abstract Number: B9404-6140C-019, C9404-1250-013

Title: Halftone image quality analysis based on a human vision model

Author(s): Lin, Q.

Author Affiliation: Hewlett-Packard Labs., Palo Alto, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1913 p.378-89

Publication Date: 1993 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

U.S. Copyright Clearance Center Code: 0 8194 1146 9/93/\$6.00

Conference Title: Human Vision, Visual Processing, and Digital Display IV

Conference Sponsor: SPIE; Soc. Imaging Sci. & Technol

Conference Date: 1-4 Feb. 1993 Conference Location: San Jose, CA, USA

Language: English

Subfile: B C

Title: Halftone image quality analysis based on a human vision model

Abstract: The perceived quality of a printed image depends on the halftone algorithm and the printing process. This paper proposes a new method of analyzing halftone image quality in the frequency domain based on a human vision model. First, the Fourier...

...dither and dispersed-dot dither, are evaluated based on their Fourier transform characteristics. Next, images halftoned with the dither algorithms and the Floyd-Steinberg error diffusion algorithm are compared in the frequency domain. Factors affecting printed image quality in a printing process are also discussed. Finally, a perception-based halftone image distortion measure is proposed. This measure reflects the quality of a halftone image printed on an ideal bi-level device and viewed at a particular distance. The halftone algorithms are ranked according to the proposed distortion measure. The effects of using human visual...

...Identifiers: halftone algorithm...

... halftone image quality...

...perception-based halftone image distortion measure

17/3,K/30 (Item 30 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4547318 INSPEC Abstract Number: B9401-6140C-250, C9401-5260B-154

Title: A real-time image filtration system

Author(s): Laplante, P.A.; Zalewski, D.

Author Affiliation: Dept. of Math. & Comput. Sci., Fairleigh Dickinson Univ., Madison, NJ, USA

Conference Title: Proceedings of the IEEE Workshop on Real-Time Applications (Cat.No.93TH0559-5) p.153-4

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1993 Country of Publication: USA ix+216 pp.

ISBN: 0 8186 4130 4

U.S. Copyright Clearance Center Code: 0 8186 4130 4/93/\$03.00

Conference Sponsor: IEEE

Conference Date: 13-14 May 1993 Conference Location: New York, NY, USA
Language: English
Subfile: B C

...Abstract: algorithm is based on a Universal Image Algebra. Additional image processing applications such as feature **extraction** via edge detection or hit-and-miss transformation, and **image data-base** retrieval can be implemented using this system.

17/3,K/31 (Item 31 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4438839 INSPEC Abstract Number: C9308-5260B-078
Title: Training feed-forward neural networks using conjugate gradients
Author(s): Blue, J.L.; Grother, P.J.
Author Affiliation: Nat. Inst. of Stand. & Technol., Gaithersburg, MD, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1661 p.179-90
Publication Date: 1992 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
U.S. Copyright Clearance Center Code: 0 8194 0815 8/92/\$4.00
Conference Title: Machine Vision Applications in Character Recognition and Industrial Inspection
Conference Sponsor: SPIE; Soc. Imaging Sci. Technol
Conference Date: 10-12 Feb. 1992 Conference Location: San Jose, CA, USA
Language: English
Subfile: C

...Abstract: by 32 pixel binary image of a hand-written digit segmented from the NIST Handwriting **Image Data Base**. These sets are believed to have approximately 1% segmentation errors. **Comparative** results for other methods are presented for runs on a serial scientific workstation and a...

17/3,K/32 (Item 32 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4431398 INSPEC Abstract Number: B9308-7220-006, C9308-5530-001
Title: Color value correction using spectral distribution for full-color image inspection system
Author(s): Tanimizu, K.; Meguro, S.
Author Affiliation: NTT Human Interface Labs., Tokyo, Japan
Journal: Journal of the Institute of Image Electronics Engineers of Japan vol.21, no.5 p.561-71
Publication Date: Oct. 1992 Country of Publication: Japan
ISSN: 0285-9831
Language: Japanese
Subfile: B C

...Abstract: method is described for correcting the biased RGB values generated by individual characteristics of the **image** input units in an automatic inspection system for full-color **printed** matter. **Differences** in RGB values among machines affects defect detection, so the RGB values must be corrected. The inspected images are limited to **halftone** printed surfaces. Principal component analysis of the spectral reflectance

distributions of **halftone** prints allows 98.4% reconstruction of the original distributions from at most three principal components...

...Identifiers: **halftone** printed surfaces

17/3,K/33 (Item 33 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04376502 INSPEC Abstract Number: A9309-9385-032, B9305-7710-009,
C9305-7340-013

Title: **GPS control for 1:50000-scale topographic mapping from satellite images**

Author(s): Clavet, D.; Lassere, M.; Pouliot, J.

Author Affiliation: Energy, Mines & Resources Canada, Canada Centre for Geomatics, Sherbrooke, Que., Canada

Journal: Photogrammetric Engineering and Remote Sensing vol.59, no.1
p.107-11

Publication Date: Jan. 1993 Country of Publication: USA

CODEN: PERSDV ISSN: 0099-1112

U.S. Copyright Clearance Center Code: 0099-1112/93/5901-103\$03.00/0

Language: English

Subfile: A B C

...Abstract: geographic coordinates was defined. Successful production and update of digital map files, or GIS feature **extraction** from **base images**, requires knowledge of the total error budget in the ortho-image process. The errors were...

17/3,K/34 (Item 34 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04049711 INSPEC Abstract Number: A9202-8760B-019, B9201-7510B-055

Title: **The use of ink jets in ultrasound registrations**

Author(s): Johansson, T.; Nilsson, J.; Almquist, L.-O.; Holmer, N.-G.

Author Affiliation: Dept. of Electr. Meas., Lund Inst. of Technol., Sweden

Journal: Ultrasound in Medicine & Biology vol.17, no.5 p.529-39

Publication Date: 1991 Country of Publication: UK

CODEN: USMBA3 ISSN: 0301-5629

U.S. Copyright Clearance Center Code: 0301-5629/91/\$3.00+.00

Language: English

Subfile: A B

...Abstract: ultrasound echocardiograms. The development steps are described from the early ultrasound registrations to the true **halftone** printing of digital images today. Images from ultrasonic color Doppler examinations have been printed by an ink jet **printer** at the authors' laboratory. The color capabilities of the **printer** are further illustrated by the **printing** of pseudocolored gray-scale **images** and an **image** where color is used to highlight **differences** between two gray-scale **images**. The results show that the **printer** based on continuous ink jets is an interesting alternative to the existing hard-copy devices...

...Identifiers: true **halftone** printing...

17/3,K/35 (Item 35 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03601974 INSPEC Abstract Number: C90028899

Title: Contributions of satellite imagery to GIS

Author(s): Oslin, A.J.

Author Affiliation: Albert H. Halff Associates Inc., Dallas, TX, USA

Conference Title: URISA Proceedings. Papers from the Annual Conference of the Urban and Regional Information Systems Association p.349-57

Publisher: Urban and Regional Inf. Syst. Assoc, Washington, DC, USA

Publication Date: 1989 Country of Publication: USA 5 vol. (viii+194+vii+245+vii+167+xi+409+xii+106) pp.

Conference Date: 6-10 Aug. 1989 Conference Location: Boston, MA, USA

Language: English

Subfile: C

...Abstract: changes through time. Land cover classification and change analysis require careful registration of the satellite **image** to the GIS **base**. Research is being conducted to **compare** image to map registration accuracies of the three principal sources of satellite imagery; Landsat TM ...

17/3,K/36 (Item 36 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03550639 INSPEC Abstract Number: A90030169

Title: Ultraviolet difference spectral studies in the gamma radiolysis of DNA and model compounds I. Aqueous solutions of DNA bases

Author(s): Trumbore, C.N.; Hyde, C.T.; Hudson, R.D.; Jurman, L.A.; Gehring, A.G.; Masselink, J.K.

Author Affiliation: Dept. of Chem. & Biochem., Delaware Univ., Newark, DE, USA

Journal: International Journal of Radiation Biology vol.56, no.6 p. 923-41

Publication Date: Dec. 1989 Country of Publication: UK

CODEN: IJRBA3 ISSN: 0020-7616

U.S. Copyright Clearance Center Code: 0020-7616/89/\$3.00

Language: English

Subfile: A

...Abstract: the yields, postirradiation kinetics, and general nature of DNA base radiation products. Irradiated pyrimidines yield **difference** spectra which are approximately negative mirror-**images** of the **base** absorption spectra in the near-UV, indicating loss of ring conjugation. Difference spectra of irradiated...

17/3,K/37 (Item 37 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03465612 INSPEC Abstract Number: C89061505

Title: Image processing and page presentation. 2

Author(s): Cawkell, A.E.

Author Affiliation: Citech Ltd., Iver, UK

Journal: Electronic Library vol.7, no.2 p.106-10

Publication Date: April 1989 Country of Publication: UK

CODEN: ELLIDZ ISSN: 0264-0473

Language: English

Subfile: C

...Abstract: series continues with further sections covering the fundamentals of image processing, including text capture and **image** scanning, and ending with a short explanation **comparing** reproduction on cathode ray tubes and **printers** . **Image** processing systems are then considered in greater detail starting with scanning techniques. Methods of two-level (black or white), **halftone** , and colour scanning are described, followed by compression systems, screens for printing, and the control of scanner/printer reproduction of **halftones** .

...Identifiers: **halftone** ;

17/3,K/38 (Item 38 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03449102 INSPEC Abstract Number: A89110842

Title: Images of the DNA double helix in water

Author(s): Lindsay, S.M.; Thundat, T.; Nagahara, L.; Knipping, U.; Rill, R.L.

Author Affiliation: Dept. of Phys., Arizona State Univ., Tempe, AZ, USA

Journal: Science vol.244, no.4908 p.1063-4

Publication Date: 2 June 1989 Country of Publication: USA

CODEN: SCIEAS ISSN: 0036-8075

Language: English

Subfile: A

...Abstract: uncoated DNA submerged in water. The grooves of the double helix were clearly resolved in **images** of the 146- **base** pair fragment **extracted** from calf thymus nucleosome. In contrast to images obtained with dry DNA, the helix pitch...

17/3,K/39 (Item 39 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03442563 INSPEC Abstract Number: A89098062, B89056709, C89057858

Title: Feature extraction of retinal images interfaced with a rule-based expert system

Author(s): Ishaq, N.; Connell, K.; Bolton, J.

Author Affiliation: Coll. of Technol. at Utica/Rome, State Univ. of New York, Utica, NY, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.974 p.82-90

Publication Date: 1988 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

Conference Title: Applications of Digital Image Processing XI

Conference Sponsor: SPIE

Conference Date: 15-17 Aug. 1988 Conference Location: San Diego, CA, USA

Language: English

Subfile: A B C

...Abstract: algorithms, and blood vessel locations. These feature vectors are used to form a relational data **base** of the **images** . Relational operations are then used to **extract** pertinent information from the data base to form replies to queries from the rule-based...

17/3,K/40 (Item 40 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03263561 INSPEC Abstract Number: C89002370

Title: A framework for object recognition in a visually complex environment and its application to locating address blocks on mail pieces

Author(s): Ching-Huei Wang; Srihari, S.N.

Author Affiliation: Dept. of Comput. Sci., State Univ. of New York, Buffalo, NY, USA

Journal: International Journal of Computer Vision vol.2, no.2 p. 125-51

Publication Date: Sept. 1988 Country of Publication: Netherlands

CODEN: IJCVEQ ISSN: 0920-5691

Language: English

Subfile: C

...Abstract: blackboard model. The authors discuss systematic derivation of a set of object recognition heuristics (knowledge **base**), specialized **image** analysis tools for **extracting** those features that are called for by the heuristics, and a control structure for integrating...

17/3,K/41 (Item 41 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03067088 INSPEC Abstract Number: C88012618

Title: Object recognition on the GAM pyramid

Author(s): Schaefer, D.H.; Chu, M.B.

Author Affiliation: George Mason Univ., Fairfax, VA, USA

Conference Title: AFIPS Conference Proceedings. Vol.56: 1987 National Computer Conference p.253-6

Publisher: AFIPS Press, Reston, VA, USA

Publication Date: 1987 Country of Publication: USA xii+827 pp.

ISBN: 0 88283 051 1

Conference Sponsor: AFIPS; ACM; IEEE; SCS; Data Process. Manage. Assoc

Conference Date: 15-18 June 1987 Conference Location: Chicago, IL, USA

Language: English

Subfile: C

...Abstract: the level below, and with four 'siblings' on its own level. This structure can rapidly **extract** information about an **image** on the **base** of the pyramid such as the number of holes, number of end-points, number of...

17/3,K/42 (Item 42 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03020041 INSPEC Abstract Number: B87077152, C87065191

Title: Identification of object faces by a tactile sensor

Author(s): Al-Mohammad, H.A.; Al-Mouhamed, M.

Author Affiliation: King Fahd Univ. of Pet. & Miner., Saudi Arabia

Conference Title: Automated Inspection and Product Control. Proceedings of the 8th International Conference: AIPC 8 p.97-108

Editor(s): McKee, K.E.

Publisher: IFS (Publications), Kempston, UK

Publication Date: June 1987 Country of Publication: UK viii+374 pp.
ISBN: 0 948507 54 3
Conference Sponsor: American Soc. Quality Control; Fraunhofer Inst.
Production Autom.; Gauge & Toolmakers Assoc.; et al
Conference Date: 23-25 June 1987 Conference Location: Chicago, IL, USA
Language: English
Subfile: B C

...Abstract: determine location, orientation, and identification of faces related to the object handling fashion, and to **compare** this information to a learning **base**. Tactile **image** is obtained from a 256 pressure sensitive elements arranged into a 16*16 array. A...

17/3,K/43 (Item 43 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02826415 INSPEC Abstract Number: C87018334

Title: Pattern recognition of zooplankton images using a circular sampling technique

Author(s): Katsinis, C.; Poularikas, A.D.
Author Affiliation: Dept. of Electr. & Comput. Eng., Alabama Univ., Huntsville, AL, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.596 p.207-11
Publication Date: 1986 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
Conference Title: Architectures and Algorithms for Digital Image Processing
Conference Sponsor: SPIE
Conference Date: 5-6 Dec. 1985 Conference Location: Cannes, France
Language: English
Subfile: C

...Abstract: is approximated by rearranging pixels to form a one dimensional sequence and is used for **comparison** with **base images**. The properties of these sequences are examined, using images from six major zooplankton categories, and...

17/3,K/44 (Item 44 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02817302 INSPEC Abstract Number: B87012640

Title: Electrophotographic color printer

Author(s): Hoshino, Y.; Nishimura, T.; Ito, H.; Suzuki, G.
Author Affiliation: NTT Corp., Tokyo, Japan
Journal: Electrical Communication Laboratories Technical Journal vol.35, no.9 p.953-60
Publication Date: 1986 Country of Publication: Japan
CODEN: TJECAS ISSN: 0415-3200
Language: Japanese
Subfile: B

Abstract: A high quality electrophotographic color **printer** has been developed. In the **printer**, a photoreceptor drum is scanned by an elliptically shaped laser beam. **Compared** with conventional circular laser beam scanning, both high-resolution and **half - tone image printing**

are achieved. The **printer** is composed of a photoreceptor drum, laser beam scanning and four developing units. It can...

17/3,K/45 (Item 45 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02624403 INSPEC Abstract Number: A86036915

Title: Silver extraction with regeneration of film and photographic material base

Author(s): Tereshkova, S.G.; Prodan, Ye.A.

Journal: Tekhnika Kino i Televideniya no.11 p.24-6

Publication Date: 1985 Country of Publication: USSR

CODEN: TKTEAE ISSN: 0040-2249

Language: Russian

Subfile: A

Title: Silver extraction with regeneration of film and photographic material base

17/3,K/46 (Item 46 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02225332 INSPEC Abstract Number: A84036497, B84022616, C84018878

Title: Recognition of aerial features for map-guided image analysis

Author(s): Ranzinger, H.; Kropatsch, W.

Author Affiliation: Inst. for Image Processing & Computer Graphics, Graz, Austria

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.397 p.2-7

Publication Date: 1983 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

Conference Title: Applications of Digital Image Processing

Conference Sponsor: SPIE

Conference Date: 19-22 April 1983 Conference Location: Geneva, Switzerland

Language: English

Subfile: A B C

...Abstract: developed to find areally extended objects in a digital image. Results can be applied to **compare** a map data **base** with an **image**; to monitor changes; to geometric and radiometric rectification; to support classification with training areas and...

17/3,K/47 (Item 47 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02035709 INSPEC Abstract Number: A83044369, B83027339

Title: An improved instantaneous frequency meter for use with a multi-trace CRO: re-examination of the principles involved

Author(s): Obara, S.; Nagai, T.

Author Affiliation: Dept. of Physiology, Teikyo Univ., Tokyo, Japan

Journal: Journal of Neuroscience Methods vol.7, no.1 p.89-98

Publication Date: Jan. 1983 Country of Publication: Netherlands

CODEN: JNMEDT ISSN: 0165-0270

U.S. Copyright Clearance Center Code: 0165-0270/83/0000-0000/\$03.00
Language: English
Subfile: A B

...Abstract: of approximately 1.5 ms duration through the use of a flexible sample-hold circuit. Compared with that of earlier models, this display mode gives better **photographic** records with the **base** -line in simultaneous multi-trace display.

17/3,K/48 (Item 48 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01491007 INSPEC Abstract Number: A80037107
Title: A camera speed negative working diffusion transfer material
Author(s): Van den Houte, J.; Vermeulen, L.
Author Affiliation: Agfa-Gevaert N.V., Antwerp, Belgium
Journal: Journal of Applied Photographic Engineering vol.5, no.3 p.
167-8
Publication Date: Summer 1979 Country of Publication: USA
CODEN: JAPEDL ISSN: 0098-7298
Language: English
Subfile: A

...Abstract: The imaging qualities are typical for DTR technology allowing usage as copy of line and **halftone** work and as intermediates in **printing** systems. This material which has short screen range and high gradient is useful for screening continuous tone **photographs**. Its quality is **compared** to that of conventional lith films.

17/3,K/49 (Item 49 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01414048 INSPEC Abstract Number: A79083924, B79044462, C79030852
Title: Pattern recognition and three dimensional construction from CT images
Author(s): Kaneda, Y.; Fujii, S.; Kobashiri, Y.; Yoshida, M.; Matsuo, M.
Author Affiliation: Dept. of Systems Engng., Kobe Univ., Kobe, Japan
Conference Title: Proceedings of the International Conference on Cybernetics and Society Part I p.281-4
Publisher: IEEE, New York, NY, USA
Publication Date: 1978 Country of Publication: USA 800 pp.
Conference Sponsor: IEEE
Conference Date: 3-7 Nov. 1978 Conference Location: Tokyo-Kyoto, Japan
Language: English
Subfile: A B C

...Abstract: contour extraction and three dimensional construction of objective regions of organ (dilated ventricles) from CT **images**. The perspectives of **extracted** three dimensional objects are displayed on a three dimensional (3-D) graphic display system, and their **half - tone** pictures are **printed** on an electrostatic printer. These three dimensional images provide helpful information for recognizing the shape...
...Identifiers: **half tone** picture

17/3,K/50 (Item 50 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01018028 INSPEC Abstract Number: C77007287

Title: Organisation of object data for an image information system

Author(s): Sties, M.; Sanyal, B.; Leist, K.

Author Affiliation: Res. Inst. for Information Processing & Pattern Recognition, Karlsruhe, West Germany

Conference Title: 3rd International Joint Conference on Pattern Recognition p.863-9

Publisher: IEEE, New York, NY, USA

Publication Date: 1976 Country of Publication: USA xii+884 pp.

Conference Sponsor: IEEE; ACM; IFIP; et al

Conference Date: 8-11 Nov. 1976 Conference Location: Coronado, CA, USA

Language: English

Subfile: C

Abstract: An information system is under development which will include a subsystem for interactive **extraction** of objects from **images**, a data **base** subsystem for object data and a communication subsystem for the retrieval of and access to...

17/3,K/51 (Item 51 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00424253 INSPEC Abstract Number: A72053641, C72019474

Title: Theories and computer expressions of electron microscopic images. (A crystal containing a plate shaped crystal and crystal lattice)

Author(s): Hashimoto, H.; Kamei, S.; Endoh, H.

Author Affiliation: Kyoto Tech. Univ., Japan

Journal: Memoirs of the Faculty of Industrial Arts, Kyoto Technical University, Science and Technology vol.20 p.1-18

Publication Date: 1971 Country of Publication: Japan

CODEN: MIAKAG ISSN: 0014-6773

Language: English

Subfile: A C

...Abstract: approximation. The calculated intensities are expressed as two dimensional pictures by computer, i.e. line **printer pictures** in **half tone** principle, intensity contour maps, and perspectives. Calculated results are **compared** with observed **images**.

...Identifiers: **half tone** principle

17/3,K/52 (Item 52 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00054980 INSPEC Abstract Number: A69034183, B69017603

Title: Microwave hologram by photoengraving

Author(s): Iizuka, K.

Journal: Proceedings of the IEEE vol.57, no.5 p.813-14

Publication Date: May 1969 Country of Publication: USA

CODEN: IEEPAD ISSN: 0018-9219

Language: English

Subfile: A B

...Abstract: microwave field was mapped by Polaroid film and copied on a

printed circuit board. The **printed** circuit board was illuminated by the same beam as used in the formation of the original hologram. The real **image** was focused onto liquid crystal film for visualization. A **comparison** was made between the reconstructed **image** of the binary microwave hologram and that of the photoetched plate. The photoetched board which can produce the **halftone** transmission of the microwave beam was shown to be a satisfactory means of making microwave...

17/3,K/53 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01741317 ORDER NO: AADAA-I9967509

Derivative hyperspectral image analysis for land use classification

Author: Tsai, Fu-an

Degree: Ph.D.

Year: 2000

Corporate Source/Institution: Cornell University (0058)

Source: VOLUME 61/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2134. 103 PAGES

...in a 10-band principal component image gradually improved as more appropriate derivative features were **extracted** from the original image and appended to the **base image**.

With the data set used in this study, derivative analysis did not generally provide a...

17/3,K/54 (Item 2 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01378031 ORDER NO: AAD94-28131

NON INVASIVE IMAGING OF THE HUMAN PHARYNGEAL AIRWAY: THE BI-DIRECTIONAL ULTRASOUND SYSTEM (OBSTRUCTIVE SLEEP APNEA)

Author: KWOK, WAILAM

Degree: PH.D.

Year: 1994

Corporate Source/Institution: THE PENNSYLVANIA STATE UNIVERSITY (0176)

Source: VOLUME 55/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2292. 170 PAGES

...neck. Through human and cadaver studies, we demonstrated that this system may be utilized to **image** the tongue **base**. Cadaver studies revealed that the images acquired with this system **compare** well with the 3-D volume reconstruction from CT slices of the tongue base. Application...

17/3,K/55 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01292000 ORDER NO: AAD93-13947

PROBLEMS IN HALFTONE IMAGING: SYNTHESIS AND RECONSTRUCTION (IMAGE PROCESSING)

Author: ANALOUI, MOSTAFA

Degree: PH.D.

Year: 1992

Corporate Source/Institution: PURDUE UNIVERSITY (0183)

Source: VOLUME 54/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 391. 130 PAGES

PROBLEMS IN HALFTONE IMAGING: SYNTHESIS AND RECONSTRUCTION (IMAGE PROCESSING)

A **halftone** image is needed when the output device is not capable of reproducing the continuous-tone image. There are two fundamental problems in **halftone** imaging, i.e. synthesis and reconstruction, which we will address in this work. In synthesis...

...an inverse process to the synthesis, is reconstruction of the continuous-tone image from its **halftone** version.

In the first part of this work, after careful study of screening and Fourier spectrum of discrete-parameter **halftone** image, we propose two iterative methods to reconstruct a continuous-tone image from its **halftone** version which has been generated by screening. To be able to apply these methods, we...

...can be considered as the distortion operator. Thus, we estimate the screen function from the **halftone** image. Successive approximation is used as the first method of the reconstruction and Projection Onto...

...image.

The second part of this work deals with the synthesis or design of optimum **halftone** image for the display device and printer. A model based approach, where the characteristics of...

...explicitly incorporated to define an error metric in order to measure the quality of the **halftone** image. Direct Binary Search (DBS) is used to find the **halftone** image which has the minimum **difference** between perceived, displayed/ **printed** continuous-tone image and the perceived, displayed/ **printed** **halftone** image. Since the algorithm is iterative, it is computationally intensive. In this work, we propose...

17/3,K/56 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02343224 INSIDE CONFERENCE ITEM ID: CN024523649

The Artificial Neural Networks for Image Contours Extraction and Image Segmentation on the Base of Texture Geometric Features

Dolinov, D. S.; Zharebko, A. K.; Luciv, V. R.

CONFERENCE: Applications of computer systems-International conference;
3rd

APPLICATIONS OF COMPUTER SYSTEMS -INTERNATIONAL CONFERENCE-, 1996; 3rd
P: 355-364

Wydawnictwo Uczelniane Politechniki Szczecińskiej, 1996

ISBN: 8386359498

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Soldek, J.

CONFERENCE LOCATION: Szczecin, Poland

CONFERENCE DATE: Nov 1996 (199611) (199611)

NOTE:

Described as proceedings. Also known as ACS '96

The Artificial Neural Networks for Image Contours Extraction and Image Segmentation on the Base of Texture Geometric Features

17/3,K/57 (Item 2 from file: 65)
DIALOG(R)File 65:Inside Conferences
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01995274 INSIDE CONFERENCE ITEM ID: CN020770828
**Computerized Extraction of Colon Lumen Boundary from Endoscopic Images
using Fuzzy Rule- base Approach**

Krishnan, S. M.
CONFERENCE: Intelligent robotic systems-International symposium; 3rd
INTELLIGENT ROBOTIC SYSTEMS -INTERNATIONAL SYMPOSIUM-, 1995; 3rd P:
293-301
New Delhi, Tata McGraw-Hill, 1996
ISBN: 0074634410
LANGUAGE: English DOCUMENT TYPE: Conference Papers
CONFERENCE EDITOR(S): Vidyasagar, M.
CONFERENCE SPONSOR: India Defence Research and Development
Organisation
CONFERENCE LOCATION: Bangalore, India
CONFERENCE DATE: Nov 1995 (199511) (199511)
NOTE:
Also known as ISIRS '95

**Computerized Extraction of Colon Lumen Boundary from Endoscopic Images
using Fuzzy Rule- base Approach**

17/3,K/58 (Item 3 from file: 65)
DIALOG(R)File 65:Inside Conferences
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

00118249 INSIDE CONFERENCE ITEM ID: CN001186486
**Low Cost Feature Extraction from Aerial Photographs for Data Base
Revision**
Bouloucos, T. et al.
CONFERENCE: 17th Congress Vol 29 pt B4; Cartographic and data base
applications of photogrammetry and remote sensing
INTERNATIONAL ARCHIVES OF PHOTOGRAMMETRY AND REMOTE SENSING, 1992; VOL 29
; NUMBER 4 P: 493-498
The Committee of the Congress, 1992
ISSN: 0256-1840
LANGUAGE: English DOCUMENT TYPE: Conference Papers
CONFERENCE EDITOR(S): Fritz, L. W.; Lucas, J. R.
CONFERENCE SPONSOR: International Society for Photogrammetry and Remote
Sensing
CONFERENCE LOCATION: Washington, DC
CONFERENCE DATE: Aug 1992 (199208) (199208)
NOTE:
In 7 pts plus index

**Low Cost Feature Extraction from Aerial Photographs for Data Base
Revision**

17/3,K/59 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2004 The HW Wilson Co. All rts. reserv.

1161072 H.W. WILSON RECORD NUMBER: BAST94029658
The Dagblad et full-scale printing trials; print -quality evaluation by

subjective comparison and image analysis
Berli, Elisabeth L; Moller, Klaus; Hansen, Age
Tappi Journal v. 77 (Apr. '94) p. 151-9
DOCUMENT TYPE: Feature Article ISSN: 0734-1415

The Dagbladet full-scale printing trials; print -quality evaluation by subjective comparison and image analysis

...ABSTRACT: quality criteria: evenness in solid print, evenness in gloss, print sharpness, and evenness in 50 **halftones** . Samples also were examined using image-analysis to see whether the results from this objective...

17/3,K/60 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2003 EBSCO Pub. All rts. reserv.

00510770 98EP10-007

In the field: Digital proofing helps cut costs 30 percent

Satz, Jennifer

Electronic Publishing , October 1, 1998 , v22 n10 p56, 1 Page(s)

ISSN: 0194-4851

Company Name: R.P.I. Graphic Data Solutions; Presstek

URL: <http://www.presstek.com>

Product Name: PEARLhdp

... since most of their corporate jobs are received in digital format. Notes that PEARLhdp, a **halftone** proofing system from Presstek that uses Imation's Matchprint Laser Proof technology, was selected. Reports...

... 30 percent in materials and labor by using the seamless all-digital workflow for its **printing** process. Indicates that the new system cost-effectively produces digital Matchprints with proof quality **comparable** to that of conventional Matchprints. Includes one **photo** .
(bjp)

17/3,K/61 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00444894 96MW12-034

Publishing workshop -- File formats for prepress

Roth, Steve

Macworld , December 1, 1996 , v13 n12 p178-179, 2 Page(s)

ISSN: 0741-8647

Presents a workshop on selecting an **image** file format for prepress page layout. Includes a table that **compares** TIFF and JPEG vs EPS and DCS on display, import, PostScript-generation speed, and PostScript **printing** speed. Also **compares** products on file size, page-preview control, page-preview quality, **image** control, tonal correction, filters, **halftone** screens, duotones, cropping, clipping paths, color management, compression, separating RGB images, **printing** separations of CMYK images, and down-sampling for proof printing. Suggests using the table to...

17/3,K/62 (Item 3 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00178999 88MW10-003

A halftone handbook Mac halftoning can be a publisher's dream or a digital debacle. Learn how to avoid the gray-scale blues.

Matazzoni, Joe

Macworld , October 1, 1988 , v5 n10 p116-123, 8 Pages

ISSN: 0741-8647

A halftone handbook Mac halftoning can be a publisher's dream or a digital debacle. Learn how...

... from digital scanners. Includes a Gray-Scale Glossary, a table showing available gray levels from **halftone** frequency and **printer** resolution, and a list showing the number of gray levels for possible angle and frequency combinations. Also includes **comparisons** of the same **photo** scanned at different frequencies and **printed** on an Apple LaserWriter at different frequencies and angles. Includes nine photos, one screen display ...

17/3,K/63 (Item 4 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00125176 86OL07-004

Paradox: A new DBMS program with artificial intelligence features enters an already crowded market

Herther, Nancy K

Online , Jul 1986 , v10 n14 p74-80, 7 Pages

ISSN: 0146-5422

... of-the art query and optimization methods, and comes with good documentation. Includes three charts **comparing** features of nine data **base** managers. Contains one **photo** , two screen displays, and five references.

17/3,K/64 (Item 1 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2004 The New York Times. All rts. reserv.

07449187 NYT Sequence Number: 768014960810

BAD DRIVING KNOWS NO BIAS

Nordheimer, Jon

New York Times, Col. 2, Pg. 37, Sec. 1

Saturday August 10 1996

ABSTRACT:

...group paid 187 percent more, according to Insurance Services Office, NY nonprofit group; in 1995, **comparable** rates for women jumped to 115 percent above **base** rate; **photos** (M)

17/3,K/65 (Item 2 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2004 The New York Times. All rts. reserv.

05300457 NYT Sequence Number: 122737880713

DUKAKIS PICKS BENTSEN FOR RUNNING MATE; TEXAN ADDS CONSERVATIVE VOICE TO TICKET

TONER, ROBIN
New York Times, Col. 6, Pg. 1, Sec. 1
Wednesday July 13 1988

ABSTRACT:

...as running mate, hoping conservative Democrat will strike at heart
of George Bush's Southern **base** ; **photos** ; **compares** choice with
Kennedy-Johnson ticket of 1960 and points to Bentsen's long experience and
...

| Set | Items | Description |
|-------------|-------------------------------------|--|
| S1 | 47 | AU=(YEN J? OR YEN, J?) |
| S2 | 9639864 | COMPAR? OR DIFFERENC? OR EXTRACT? |
| S3 | 6161822 | IMAGE? ? OR PICTURE? OR PICTORIAL OR PICTORAL OR PHOTO? ? OR PHOTOGRAPH? |
| S4 | 4802658 | PRINT? OR INDICIA? OR IMPRESS? OR IMPRINT? |
| S5 | 2950430 | TOKEN? ? OR CODE? ? OR DECOD? OR CODING OR ENCRYPT? OR ENC- RIPT? OR DECRYPT? OR DECRYPT? OR ENCOD? |
| S7 | 42551 | WATERMARK? OR WATER()MARK? ? OR HALFTONE? ? OR HALF()TONE? ? |
| S8 | 84903 | POSTAGE? ? OR FRANKING? |
| S9 | 7454 | S3(3N)BASE |
| S10 | 94 | S2(10N)S9 |
| S11 | 40852 | S2(5N)S3 |
| S12 | 3458 | S11(S)S4 |
| S13 | 109 | S12(25N)S5 |
| S14 | 51 | S12 AND S8 |
| S15 | 62 | S12(S)S7 |
| S16 | 303 | S10 OR S13 OR S14 OR S15 |
| S17 | 238 | S16 NOT PY>2000 |
| S18 | 155 | RD (unique items) |
| S19 | 140 | S18 NOT PD=20000525:20020906 |
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| File | 9:Business & Industry(R) | Jul/1994-2004/Sep 03 |
| | (c) 2004 | The Gale Group |
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| File | 148:Gale Group Trade & Industry DB | 1976-2004/Sep 06 |
| | (c)2004 | The Gale Group |
| File | 160:Gale Group PROMT(R) | 1972-1989 |
| | (c) 1999 | The Gale Group |
| File | 275:Gale Group Computer DB(TM) | 1983-2004/Sep 06 |
| | (c) 2004 | The Gale Group |
| File | 621:Gale Group New Prod. Annou. (R) | 1985-2004/Sep 06 |
| | (c) 2004 | The Gale Group |
| File | 636:Gale Group Newsletter DB(TM) | 1987-2004/Sep 06 |
| | (c) 2004 | The Gale Group |
| File | 20:Dialog Global Reporter | 1997-2004/Sep 07 |
| | (c) 2004 | The Dialog Corp. |
| File | 476:Financial Times Fulltext | 1982-2004/Sep 03 |
| | (c) 2004 | Financial Times Ltd |
| File | 610:Business Wire | 1999-2004/Sep 06 |
| | (c) 2004 | Business Wire. |
| File | 613:PR Newswire | 1999-2004/Sep 07 |
| | (c) 2004 | PR Newswire Association Inc |
| File | 624:McGraw-Hill Publications | 1985-2004/Sep 06 |
| | (c) 2004 | McGraw-Hill Co. Inc |
| File | 634:San Jose Mercury | Jun 1985-2004/Sep 04 |
| | (c) 2004 | San Jose Mercury News |
| File | 810:Business Wire | 1986-1999/Feb 28 |
| | (c) 1999 | Business Wire |
| File | 813:PR Newswire | 1987-1999/Apr 30 |
| | (c) 1999 | PR Newswire Association Inc |

19/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

2722536 Supplier Number: 02722536 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Fast Forward

(Dymo-CoStar Corp presents two new versions of its Dymo LabelWriters, both of which are PC-compatible and are portable label printers)

Meetings & Conventions, v 35, n 2, p 15

February 2000

DOCUMENT TYPE: Journal ISSN: 0025-8652 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 123

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Microsoft Word, Microsoft Outlook, Act! and GoldMine. The devices also print mailing labels, folder labels, **postage** and more.

photo omitted

The **difference** between the two **printers** is speed: The \$209.95 EL 60 **prints** one label every five seconds; the \$259.95 Turbo takes two seconds per label. SARAH...

19/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

2604588 Supplier Number: 02604588 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Upping The Anti-Counterfeiting Technology Ante

(High-tech anti-counterfeiting measures for IDs and documents include biometric readers, holograms, special embedded substances that change their appearance when tampered with, and other creative solutions)

ID World, v 1, n 4, p 34+

September 1999

DOCUMENT TYPE: Journal; Interview (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1777

ABSTRACT:

With easier access to high-tech reproduction equipment such as **printers**, scanners and graphic software, the counterfeit documents business is booming. According to estimates from Polaroid...

...Jersey City, NJ) is offering its FaceIt software that allows for facial recognition that can **compare** one's face against a **photo** or video. Digimarc Corp (Lake Oswego, OR) offers the Identity Document Security System, which embeds digital **watermarks**. Another security measure used is embedded anti-counterfeiting substances that change their visual appearance when...

19/3,K/3 (Item 3 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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2099372 Supplier Number: 02099372 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Diverse launches offer growth for ethnic hair care in '98
(Advanced Research Labs has 4 new products in the pipeline in 1989, all
line extensions of its Smooth 'N' Shine hair polish line)
Drug Store News, v 20, n 5, p 17+
March 16, 1998
DOCUMENT TYPE: Journal ISSN: 0191-7587 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4018

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...largest sampling programs. Print ads tell customers that for \$1 (to cover the cost of **postage** and shipping), they can write in and get three full-size TCB Naturals hair maintenance...as much as 33 percent more product for the regular price.

In addition to heavy **print** and radio, Luster will be using cable television and syndicated television to support Pink. Management will be working with chains to create special customized promotions with a unique point of **difference** .

photo omitted

The newest members of the Pink styling family are the Pink Glosser, a nonalcohol...

19/3,K/4 (Item 4 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1211912 Supplier Number: 01211912 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**CAMBRIDGE NEURODYNAMICS FILLS IN THE DETAILS ON ITS NEURAL NETWORK
FINGERPRINT RECOGNITION SYSTEM**
(Cambridge Neurodynamics Ltd created world's first neural network automatic
fingerprint recognition system for the South Yorkshire Police)
Computergram International, n 2678, p N/A
June 06, 1995
DOCUMENT TYPE: Newsletter ISSN: 0268-716X (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 753

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...the image database affect throughput. The latter depends on how many sets of compressed 10- **print** records it can search. Two types of units are plugged into the South Yorkshire network server: a single **encoder** and a single matcher. Gaunt said that there was no limit to how many such units could be linked; the more there are, the more the throughput. The **encoder extracts** the detailed information from the **image** , the matcher stores it and searches for comparison under the control of the database. "There is no **comparison** based on **images** , as in an optical jukebox system, or older file systems, for example," said Gaunt. "The...

...the officers have some idea of who they are looking for," Gaunt said. Physically, the **encoder** and matcher each contain a processor board. One processor handles one **print** , so 50 processors for example, will handle 50 **prints** , therefore there will be 50 times the throughput. The boards hold

five Texas Instruments Inc...

19/3,K/5 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02529902 117543202
A framework for integrated risk management in information technology
Bandyopadhyay, Kakoli; Mykytyn, Peter P; Mykytyn, Kathleen
Management Decision v37n5 PP: 437-444 1999
ISSN: 0025-1747 JRNL CODE: MGD
WORD COUNT: 4433

...TEXT: data security can be improved by generating backup files, and introducing password control and access **codes** (Bidgoli and Azarmsa, 1989). Some other ways of restricting IT access to authorized users are fingerprinting, palm- **printing** , signature analysis, hand geometry, retinal screening, and voice recognition (Loch et al., 1992; Fried, 1993...

19/3,K/6 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02517946 116355120
Electronic journals and academic libraries
Chan, Liza
Library Hi Tech v17n1 PP: 10-16 1999
ISSN: 0737-8831 JRNL CODE: LIHT
WORD COUNT: 4192

...TEXT: accomplished in journals published by associations and university presses because of elimination of printing and **postage** costs. The condition is that the journals are published electronically rather than in paper and...

... 1995). The network or connection speed can be too slow. Screen quality of graphics and **photos** is still primitive when **compared** to **print** . A typical screen has a resolution of 72dpi, with at most 300dpi for some expensive and special purpose screens; while the average journal is **printed** at approximately 1,200 dpi (McKnight, 1995, p. 41).

Sociocultural barriers

Electronic interfaces can take...

19/3,K/7 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02000235 51271136
A new way to place the face
Babyak, Richard
Appliance Manufacturer v48n3 PP: 6 Mar 2000
ISSN: 0003-679X JRNL CODE: APL
WORD COUNT: 898

...TEXT: the program makes a one-to-many match, taking a live or current

image and **comparing** it with a previously compiled data **base** of **images** to determine the person's identity. The borough of Newham, outside London, England, uses Facelt...

19/3,K/8 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01997425 51073937

The great wide way

Bohannon, William K

Presentations v14n3 PP: 55-58 Mar 2000

ISSN: 1072-7531 JRNL CODE: PRS

WORD COUNT: 1680

...TEXT: inkjet heads) to the CMYK system. Several manufacturers have six-inkjethead systems in which two **half - tone** colors in cyan and magenta are added to the standard four-color CMYK scheme. These **half - tone** colors can't extend across the entire color range, but they are supposed to help...

... resulting image look more photographic. Dissenters, however, complain that six colors made with CMYK and **half - tones** actually reduce the **image** contrast **compared** with the same **image** done using only the standard four CMYK colors. But the skeptics haven't stopped manufacturers ...

19/3,K/9 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01727442 03-78432

Searching for images by similarity online

Jacso, Peter

Online v22n6 PP: 99-104 Nov/Dec 1998

ISSN: 0146-5422 JRNL CODE: ONL

WORD COUNT: 2188

...TEXT: right square of Figure 3 was selected as the base figure. By clicking on the **base image**, its shape component is **extracted** and displayed to the left of the original trademark, and the software goes out to...

19/3,K/10 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01709858 03-60848

Designing catalogs

Burke, Sophia

Catalog Age v15n10 PP: 55 Sep 1998

ISSN: 0740-3119 JRNL CODE: CTA

WORD COUNT: 1078

...TEXT: The catalog was light to begin with, so the change didn't result in any **postage** savings for us. If we had been a thicker book and then made the change to the smaller trim size, it would have saved us **postage**.

We did end up saving between \$5,000 and \$10,000 in other costs by...

...get someone to buy a food item when the photography is the size of a **postage** stamp. The increased size format allowed us to use larger **photos**

Compared against the previous year's sales, we saw a spike in sales the year we went to the larger format. And because of a favorable paper market, the cost of **printing** the larger format was actually less than it had been to **print** the digest-size book. A consulting firm we worked with also helped us keep the...

19/3,K/11 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01674507 03-25497

When GIS comes to the neighborhood

Moore, Charles
Planning v64n7 PP: 8-12 Jul 1998
ISSN: 0001-2610 JRNL CODE: PLN
WORD COUNT: 1473

...TEXT: visual components that needed to be included. For certain components of the web site, aerial **photos** were superimposed on **base** maps to **compare** existing and planned features in the neighborhood. In addition, vector-based CAD and GIS software...

19/3,K/12 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01663110 03-14100

Opportunities for watermarking standards

Mintzer, Fred; Braudaway, Gordon W; Bell, Alan E
Communications of the ACM v41n7 PP: 56-64 Jul 1998
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 4661

...TEXT: does not exist.

In our image scenario, for example, it is often important for the **watermark** to be detectable from a scan of a published image-a considerable technical challenge. Before **printing**, an image is often cropped, resized, sharpened, contrast-enhanced, color-corrected, and JPEG-compressed. Hence, to be effective in this application, a **watermark** has to survive a variety of manipulations routinely used to prepare images for publication. Furthermore, there is an economic incentive for publishers to remove **watermarks**. Publishers seeking to not pay royalties might attempt to remove the **watermark**, a task accomplished by many common image-processing tools available today. Thus, an effective **watermark** in ownership applications should robustly resist imageprocessing attacks-intentional and unintentional-that might remove it. For that reason, we describe **watermarks** for ownership applications as robust **watermarks**. Figure 1 shows a robustly **watermarked** image; 1(a) is the **watermark** data inserted in it; 1(b) is the **watermark** data extracted from the **image**; and the **watermark** data extracted from reduced and JPEG-compressed versions of the image are shown in 1(c)

19/3,K/13 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01527962 01-78950

Calibration method helps in seismic velocity interpretation

Guzman, C E; Davenport, H A; Wilhelm, R

Oil & Gas Journal v95n44 PP: 44-54 Nov 3, 1997

ISSN: 0030-1388 JRNL CODE: OGJ

WORD COUNT: 2537

...TEXT: The profile is from a salt body southeast of Mississippi Canyon 952 (MC 952). Again, **compare** the incorrectly **imaged base** of salt, the shear, and the salt intrabedded multiple of Fig. 3a with the clear...

19/3,K/14 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01517937 01-68925

How Ads Gave Product "Demo" as Well as Sales Pitch

Anonymous

Business Marketing Digest v17n2 PP: 77-79 Second Quarter 1992

ISSN: 0950-9038 JRNL CODE: IMD

ABSTRACT: In an award-winning campaign in **printing** magazines across 7 countries in Europe, Crosfield Electronics Ltd. managed, despite idiomatic **differences**, to demonstrate its abilities in **image** manipulation as well as generate interest in its latest desktop publishing processing system. The full color **half - tone** advertisement featured a silver platter, which held a group of office personnel working at computer...

19/3,K/15 (Item 11 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01481104 01-32092

Capturing prints

Thompson, Amy R

Security Management v41n8 PP: 21-22 Aug 1997

ISSN: 0145-9406 JRNL CODE: SEM

WORD COUNT: 792

...TEXT: the future.

At discharge, the prisoner uses the same finger on the scanner, and its **image** is **compared** to the **encoded** one stored in the database. The software uses a method called "coincident sequencing" to match...

19/3,K/16 (Item 12 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01479277 01-30265

From printers to information appliances

Andel, Tom
Transportation & Distribution 1997 Buyers Guide Issue Supplement PP:
BG14-BG17 Jul 1997
ISSN: 0895-8548 JRNL CODE: HLS
WORD COUNT: 2298

...TEXT: 70 boxes in front of you and the parts are pretty much the same, the **picture** can tell the **difference**, making it easier on warehouse personnel," explains Steve Cryan, indirect channel manager for Intermed Corp., makers of bar **code printers**, scanners, and radio-frequency-based (RF) data collection devices. "If you don't have your...

19/3,K/17 (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01347292 99-96688
Technology watch
Anonymous
Insurance & Technology v21n11 PP: 60-61 Nov 1996
ISSN: 0892-8533 JRNL CODE: IIN
WORD COUNT: 1147

...TEXT: uses an electronically scanned fingerprint interpreted by the company's Sequencing software program. The system **encodes** and stores minutiae from a scanned fingerprint and then **compares** them to the **image** of the actual fingerprint. The software, written in ANSI-C, is portable to any hardware...

19/3,K/18 (Item 14 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01236218 98-85613
Merger mania: Should the Pentagon pay for defense industry restructuring?
Korb, Lawrence J
Brookings Review v14n3 PP: 22-25 Summer 1996
ISSN: 0745-1253 JRNL CODE: BRR
WORD COUNT: 2513

...TEXT: Soviet Communist expansionism. Using fiscal year 1985, the height of the Reagan buildup, as a **base** year distorts the **picture**. It would be like **comparing** spending in the Korean and Vietnam wars to the level of World War II and...

19/3,K/19 (Item 15 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01221643 98-71038
Is it a lot of hype? Hypermedia approach to document processing
Challa, Chandrashekar D; Redmond, Richard T
Journal of Systems Management v47n3 PP: 12-21 May/Jun 1996
ISSN: 0022-4839 JRNL CODE: JSM
WORD COUNT: 5867

...TEXT: 3 and 4 list the various activities associated with the system

development life cycle and **compare** these activities when designing **image - base** and database systems on these two dimensions.

With regard to complexity, it is clear that...

19/3,K/20 (Item 16 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01126370 97-75764

Reviews: Digital Fotovix IIIS-D

Lu, Cary

Macworld v13n1 PP: 67 Jan 1996

ISSN: 0741-8647 JRNL CODE: MAW

WORD COUNT: 570

...TEXT: dark areas into mud. Still-video images simply don't look good--you can't **print** the image bigger than a large **postage** stamp without seeing flaws. Such poor quality is acceptable for video, but the Fotovix digitizes only stationary **images** --it can't **extract** a single frame from a moving image.

Although the Fotovix took only about 35 seconds...

19/3,K/21 (Item 17 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00953662 96-03055

Printing around the globe

Yorgey, Lisa A

Target Marketing v17n12 PP: 30-31 Dec 1994

ISSN: 0889-5333 JRNL CODE: ZIR

WORD COUNT: 1116

...ABSTRACT: complete an analysis of the following factors: actual printing costs, shipping costs, paper availability, time, **postage**, duties, taxes, and currency. The cost of a print run in the US may be...

...TEXT: complete an analysis of the following factors: actual printing costs, shipping costs, paper availability, time, **postage**, duties, taxes and currency.

"Deciding whether to print overseas or in the U.S. depends...

...probably need to visit the new vendors.

Printing overseas can also save you money on **postage** and delivery. For example, you may pay 32 cents to mail a piece through the...an envelope. 4) All window envelopes must have window film.

Deciding whether or not to **print** overseas is a decision that needs to be made on a job-by-job, country-by-country basis. Remember, it's not only the cost of **printing** you need to consider. Only after you factor in all related costs can you **compare** complete **pictures**.

"It can be a time-consuming task to learn, but ultimately there are real profits...

19/3,K/22 (Item 18 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00895504 95-44896

The measurement of destination image: An empirical assessment

Echtner, Charlotte M; Ritchie, J R Brent
Journal of Travel Research v31n4 PP: 3-13 Spring 1993
ISSN: 0047-2875 JRNL CODE: JTR
WORD COUNT: 6218

...TEXT: destination at the expense of failing to provide information on the perception of others. In **comparison**, the scales provided a broader **base** of **image** information, albeit based on more standardized attributes.

As depicted previously in Figure 1, the components...

19/3,K/23 (Item 19 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00850852 95-00244

Mapping 1990 Census Data

Yott, Patrick
Information Technology & Libraries v13n1 PP: 63-70 Mar 1994
ISSN: 0730-9295 JRNL CODE: JLA
WORD COUNT: 3313

...TEXT: the essex.bna file into an ATLAS GIS geographic file (essex.agf) that produces the **base** map **pictured** in figure 2.(Figure 2 omitted)

EXTRACTING DATA

This project will require data from both STF 1A and STF 3A. STF 1A...

19/3,K/24 (Item 20 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00815794 94-65186

600-dpi thermal printers ship

Borzo, Jeanette
InfoWorld v16n4 PP: 35 Jan 24, 1994
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 327

...TEXT: at 600 by 300 dpi.

"They have a new halftoning method that makes a big **difference** in **photographic** **images**," said Charles LeCompte, editor of The Hard Copy Observer, a newsletter based in Newton Highlands, Mass. "The net effect is that you **print** a **halftone** on the 200 and then on the 220, there is a substantial difference. It looks..."

19/3,K/25 (Item 21 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
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00806396 94-55788

Creating document imaging solutions for PC LANs gets easier

Brown, Eric

Computer Technology Review v13n15 (Special Fall Issue) PP: 13-18 Dec 1993

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 2789

...TEXT: the scanned image is a digital picture of the page. But meaningful data can be **extracted** from that **picture**. As with most things, the range in price/performance is wide. Hardware and software products are available for mark sense recognition, bar **code** reading and character recognition (machine **print** and hand **print**).

PRINTING

From a Windows workstation, the cheapest way to print is through the Windows printer...

19/3,K/26 (Item 22 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00775282 94-24674

Is check imaging for you?

Nixon, Brian

Savings & Community Banker v2n10 PP: 28-34 Oct 1993

ISSN: 0746-1321 JRNL CODE: SLN

WORD COUNT: 1965

...ABSTRACT: institutions cost savings from reduced labor and equipment expenses; image statements also result in reduced **postage** expenses. Although image POD is generally regarded as still somewhat in its infancy, a handful...

...TEXT: business case" for image statements.

A second source of savings with image statements is reduced **postage** expenses, since an institution no longer returns canceled checks. Many savings institutions that offer check...

... of United Carolina's personal accounts and 17.6 percent of commercial accounts were using **image** statements. There is a **difference** between personal and commercial account **image** statements. Personal account image statements feature 18 check images per page, **printed** in three columns of six checks each. Commercial account image statements have 10 checks per...

19/3,K/27 (Item 23 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00704521 93-53742

Quality Expo International

Anonymous

Quality v32n4. PP: SS1-SS92 Apr 1993

ISSN: 0360-9936 JRNL CODE: QUA

WORD COUNT: 28871

...TEXT: AUTOMATION 725 Airport Rd. Lakewood, NJ 08701 (908) 901-1971
..... Booth 2345

Exhibiting: S1100 bar code security system that prevents mix ups and verifies readable bar codes ; "Inspec" image comparator for fast, easy proofreading of printed materials; "Inspec" image counter for quick counting of cartons or inserts.

Representatives: G. Parish, pres...

19/3,K/28 (Item 24 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00667319 93-16540

Fax on demand gives an established technology some new applications
Durkin, David
Office Systems v10n1 PP: 32-34 Jan 1993
ISSN: 8750-3441 JRNL CODE: OFS
WORD COUNT: 1137

...TEXT: phone lines, multipage documents are loaded into it; each document is allocated a unique number code , such as "1234." And after the system is loaded, it's ready to accept calls 24 hours a day.

PROTOCOLS

Any **printed** information can be faxed, including graphic and photographic material. But when comparison shopping, make sure...

19/3,K/29 (Item 25 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00517697 90-43454

Intelligent Forms Processing
Casey, Richard G.; Ferguson, David R.
IBM Systems Journal v29n3 PP: 435-450 1990
ISSN: 0018-8670 JRNL CODE: ISY

ABSTRACT: The automatic reading of optically scanned forms consists of 2 major components: the **extraction** of the data **image** from the form and the interpretation of the image as **coded** alphanumerics, or optical character recognition (OCR). IBM has implemented a method for the entry of a wide variety of forms that contain machine-**printed** data and that are often produced in business environments. The function, known as Intelligent Forms...

19/3,K/30 (Item 26 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00506960 90-32717

Poor Paper Quality Foils Fax Performance
Anonymous

Purchasing World v34n7 PP: 42-43 Jul 1990
ISSN: 0093-1659 JRNL CODE: PCW

...ABSTRACT: suggests considering when selecting fax paper are: 1. abrasiveness, 2. surface resistivity, 3. curl, 4. **image** stability, 5. **base** stock color, 6. grain **difference**, 7. residue, 8. roll diameter, and 9. static.

19/3,K/31 (Item 27 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00307982 86-08396
Deferred Giving: Accent on Planning
Hobson, Robert L.
Fund Raising Management v16n12 PP: 58-62 Feb 1986
ISSN: 0016-268X JRNL CODE: FUN

...ABSTRACT: plan the proposal so that the prospect can see the advantages clearly. The prospect's **base** case financial **picture** must be **compared** clearly with the improved financial position if the planned giving program is implemented. Computers can...

19/3,K/32 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07393652 Supplier Number: 62061145 (USE FORMAT 7 FOR FULLTEXT)
Drupa 2000 Preview: Industry Trends And Our Guide to the Exhibits.
The Seybold Report on Publishing Systems, pNA
May 8, 2000
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 47334

... the database. For output, you select the desired reproduction method and size, and Prelude Enterprise **extracts** the right amount of **image** data and creates a file in the requested format.

Two new extensions enable image providers...is a specialist in creating the fancy backgrounds that make banknotes, lottery tickets and postage **stamps** harder to counterfeit. With each improvement in color scanning and color copying technology, counterfeiting gets...to control its engravers.

It will show a complete design and production system for printing **on** flexible packaging materials. The process begins by using an Agfa StudioCam digital camera (with custom...

...its own color references. The layouts are proofed on dye-sub or ink-jet printers.

The Think-Pro package design software has automatic color trapping for non-process colors, curvature compensation of bar-code **dimensions**, and job storage for later modification and reruns.

The Total Boomerang engraver is a big...

19/3,K/33 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

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07379644 Supplier Number: 60081278 (USE FORMAT 7 FOR FULLTEXT)

What's New In Blue?

ALONSO, MARIE RANOIA

Printing Impressions, v42, n8, p46

Jan, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2025

... fast (3.3 minutes per plate at 2,540 dpi) and cheap (\$79,990--plus postage and handling). However, it will not initially support a punch, and plate loading is purely...

...why thermal plate technology has been of interest in the market bright-light handling and **impressions** over one million. We've shown in the market that there is no significant **difference** in **image** quality

19/3,K/34 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07194607 Supplier Number: 61403996 (USE FORMAT 7 FOR FULLTEXT)

Bell & Howell Ships Productivity-enhancing Kofax VirtualReScan Technology in Flagship Scanner Line.

Business Wire, p0424

April 10, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 668

... images enhance readability and productivity among the people who work with this data.

Fourth, better **images** mean more accurate data **extraction** from bar **codes** or machine- or hand- **printed** characters. That reduces correction and verification time, which saves money and puts important transaction data...

19/3,K/35 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06833578 Supplier Number: 57809623 (USE FORMAT 7 FOR FULLTEXT)

Research Corporation Technologies, Inc.'s \$800 Million-Plus Patent Infringement Lawsuit Against Hewlett-Packard Goes to Trial Today.

PR Newswire, p0618

Nov 29, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1421

... patent describes the Blue Noise Mask as "a method of and system for rendering a **halftone** image of a gray scale image by utilizing a pixel-by-pixel **comparison** of the gray scale **image** against a Blue Noise Mask." The technology is used in computer **printers**, fax machines, the graphic arts and **printing** industry, and other applications that use **halftone** (dot screen) methods to create images that give the human eye the

impression of a continuous range of grey tones while using only black dots separated by white...

19/3,K/36 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06793572 Supplier Number: 57442092 (USE FORMAT 7 FOR FULLTEXT)
e Shopper resources for web buying. (Directory)
Savetz, Kevin; Gardiner, Peace
Computer Shopper, v19, n12, p132
Dec, 1999
Language: English Record Type: Fulltext
Article Type: Directory
Document Type: Magazine/Journal; General Trade
Word Count: 6592

... customer service available via e-mail - same-day shipping
www.cdw.com
CDW offers an **impressive** array of hardware and software. If you are shopping for a new PC, PDA, monitor, modem, **printer**, or digital camera, CDW's compare tool shines. Choose up to five products you are considering, and it will display side-by-side **comparisons** of them, including their **photos**, specs, prices, and warranties.
Features - in-stock items are clearly marked - list of available rebates...install special software to view faxes
www.e-stamp.com
E-Stamp lets customers buy **postage** via the Internet then print that **postage** using an inkjet or laser printer. You can use E-Stamp to send mail via first class, Priority, Express Mail and parcel post. In addition, the site sells envelopes, labels, **postage** scales, and other mailing supplies.
Feature - don't have to be online to print **postage**
Caveat - buying **postage** requires special hardware
www.officebase.com
From office machines to snacks for the break room...

19/3,K/37 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06389914 Supplier Number: 54804722 (USE FORMAT 7 FOR FULLTEXT)
The EDI Appraisal Network Partners with United Systems Software.
Business Wire, p1034
June 7, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 708

... in X-12 format to Fannie Mae's MortgageLinks. AppraisalLINK incorporates electronic sketches, maps, secure **encrypted** signatures, invoices and digital **photos**. Data can be **printed**, or **extracted** and placed into an electronic database such as Fannie Mae's Desktop Underwriter(r). AppraisalLINK...

19/3,K/38 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

06163581 Supplier Number: 53984269 (USE FORMAT 7 FOR FULLTEXT)
Altamira Group and Studion Introduce Colorblade(TM) GF.
PR Newswire, p0877
March 2, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 685

... encoded files can be previewed and the separation specifications can be "tagged" onto compact STiNG **encoded** RGB files. These files can then be quickly forwarded for output.

Studion ColorBlade GF allows the end-user to visualize color separations and gamut simulation, **compare** multiple views of an **image** with different profiles, view individual separation channels and **encode** separation specifications in RGB STiNG files. Additionally, when using Studion ColorBlade GF in Genuine Fractals **PrintPro**, the user can actually separate the files in CMYK form and **encode**. This **encoded** file can then be rendered to any output resolution.

Studion ColorBlade GF will retail for...

19/3,K/39 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06021115 Supplier Number: 53440938 (USE FORMAT 7 FOR FULLTEXT)
STAMPS.COM FOLLOWS E-STAMP WITH AOL MARKETING DEAL.
Network Briefing, pNA
Dec 18, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 291

(USE FORMAT 7 FOR FULLTEXT)
TEXT:

...the second company to win approval from the US Postal Service for its internet-based **postage** technology and yesterday it became the second firm to sign a deal with America Online Inc. Its service will feature, like rival E-Stamp's, in AOL's forthcoming **postage** services center, which is slated to launch in the first half of 1999. Stamps.com...

...do a nationwide roll out in the first half of 1999. The USPS' Information Based **Indicia** (IBI) program will eventually enable users to **print** out **postage** on regular **printers** in the form of a barcode-like **image**. The key **difference** between Stamps.com and E-Stamp is that the former is a software-only play...
...can send money to their account using electronic fund transfers. Both services enable users to **print postage** from Microsoft Corp's Word. The Stamps.com initial software download is about 2Mb. These systems are aiming to replace the **postage** meters used in many small-to-medium businesses. And the leader in that industry, Pitney Bowes, got USPS approval for its ClickStamp PC **postage** software in November and is sure to give all-comers a run for their money.

19/3,K/40 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05804292 Supplier Number: 50297077 (USE FORMAT 7 FOR FULLTEXT)
Imaging Diagnostic Systems Submits A Second Series of Images to FDA For Review

PR Newswire, p909HSW013

Sept 9, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newswire; Trade

Word Count: 247

... TM), stated Richard Grable, CEO of IDSI.

"IDSI is building the world's first data **base** of medical optical **images** **compared** with conventional modalities. To the best of my knowledge, no other researcher or company has...

19/3,K/41 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05764057 Supplier Number: 50250819 (USE FORMAT 7 FOR FULLTEXT)

Protect IDs from alteration

Automatic I.D. News, p15

August, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 148

... and encrypted, using both public-key and private-key cryptography. The AuthX Signature is then **encoded** in a two-dimensional bar **code** (Aztec **Code** or PDF417 symbology) that is either **printed** directly on the document or a label affixed to the item. When the document is verified at an ID card reader or passport control station, the reader **compares** the data and **images** on the card to the **encrypted** file. Alterations are detected immediately.

The technology can authenticate text, biometric information, photos and other...

19/3,K/42 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05747186 Supplier Number: 50230513 (USE FORMAT 7 FOR FULLTEXT)

Resolution Satellite Imagery Corridor Monitoring & Planning

Marino, Dewey W.

Pipeline & Gas Journal, p112

July, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 734

... and elevation calculations for the length of the pipeline. This information is derived from the **base image** which utilizes both spatial and spectral data for feature **extraction**.

Multispectral data collected from the sensor is information-rich and can reveal subtle interactions in...

19/3,K/43 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05306175 Supplier Number: 48077947 (USE FORMAT 7 FOR FULLTEXT)
Embedded RISC fuels better digital cameras
Baron, Max
Electronic Engineering Times, p78
Oct 27, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1480

... a PC via a serial port or faster connection. And even when users do want **prints** of images, only the best images are **printed**, reducing the film camera's biggest operating expense.

By the same **token**, film costs nothing for a digital camera, although users might want extra flash memory to...

19/3,K/44 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05175331 Supplier Number: 47898266 (USE FORMAT 7 FOR FULLTEXT)
Western Geophysical to Conduct a Major Reservoir Monitoring Study Over the Statfjord Field
PR Newswire, p0808DAF033
August 8, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 460

... surveys over time. The interval between surveys is considered to be the fourth dimension. Seismic **images** of the **base** and subsequent surveys are **compared** to discern **differences** in the seismic attributes. These differences are then correlated to changes in reservoir properties.

The...

19/3,K/45 (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04962742 Supplier Number: 47291964 (USE FORMAT 7 FOR FULLTEXT)
National Computer Systems announces NCS DesignExpert Software.
Business Wire, p4140023
April 14, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 383

... a document optimized for your particular forms processing system. Features include tools to create hand-**print** and mark sense response areas, automated anchor marks, and document ID **codes**. Once a document is completely designed, you may transfer your design electronically to an NCS Document Facility for offset **printing** or **print** the document yourself on a laser printer.

NCS has provided scanning-based system solutions since...

19/3,K/46 (Item 15 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04884744 Supplier Number: 47185153 (USE FORMAT 7 FOR FULLTEXT)
DAMES & MOORE LEVERAGES CARDIFF SOFTWARE SYSTEM
Document Imaging Report, v7, n5, pN/A
March 5, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 286

TELEform is a paper-based forms processing system that recognizes hand print, machine print, check mark and bar code data from computer-readable forms. The system uses sophisticated algorithms to extract data from the images of faxed or scanned forms, and exports the information to a central database.

Dames & Moore...

19/3,K/47 (Item 16 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04598942 Supplier Number: 46762891 (USE FORMAT 7 FOR FULLTEXT)
WITH DIGIMARC'S DIGITAL WATERMARKING TECHNOLOGY, IMAGE OWNERSHIP IS NOT YET WATER TIGHT, BUT BETTER
Computergram International, n3010, pN/A
Oct 1, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 682

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
Leading digital watermark company Digimarc Corp has garnered its first major success with Adobe Systems Inc agreeing to...

...noise' into the file - less in flat colour areas; more where there is detail - and prints a unique code into it. Detection software, such as that now licensed by Adobe, which is available free from Digimarc before the year is out - finds this low-level randomness and extracts the code. When the picture is read as a file or scanned, by PhotoShop for instance, a copyright symbol is...

19/3,K/48 (Item 17 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03894575 Supplier Number: 45607879 (USE FORMAT 7 FOR FULLTEXT)
Optical Character Recognition (OCR)
Automatic I.D. News, p10
June 15, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 509

... entry applications.

There are two main approaches to optical character recognition: template matching and feature **extraction** . Template matching 'sees' the printed character and matches that **image** to a data **base** of possible choices. Feature **extraction** looks at the structural elements and their combination to recognize the character. In either case...

19/3,K/49 (Item 18 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03773667 Supplier Number: 45365513 (USE FORMAT 7 FOR FULLTEXT)
Issues and Methodologies in Integrating Aerial Photography and Digital Base Maps
Geo Info Systems, p46
March, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2827

... the same features on aerial photographs. This problem is, in part, because of the significant **difference** between dates of **photography** for the NTS **base** map and the wetland inventory data. The change in location of these features is also...

19/3,K/50 (Item 19 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02235083 Supplier Number: 42915990 (USE FORMAT 7 FOR FULLTEXT)
Optoelectronic Sensory Neural Network
Inside R&D, v21, n16, pN/A
April 15, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 272

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...analog, and very compact electronic circuitry. Look for applications in robotics, the reading of smudged **print** (optical scanners for fax or bar-code readers), laser infrared radar processing through clouds, ice or glare; optoelectronic feedback control systems for position and motion **encoding** , signal-to-density detection in low- to high-energy physics and analytical chemistry.

19/3,K/51 (Item 20 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01619802 Supplier Number: 41998925 (USE FORMAT 7 FOR FULLTEXT)
CASHMERE: Putting a Lid on PRICES
WWD, v0, n0, p8
April 10, 1991
Language: English Record Type: Fulltext Abstract
Document Type: Magazine/Journal; Trade
Word Count: 1725

... Soft Sports line on totally younger looks was not consistent with the firm's primary **image** and customer **base** .

TSE Cashmere expects to double its wholesale business this fall, **compared** with a year ago, according to Lisa Cervantes, the firm's vice president.

"This is...

19/3,K/52 (Item 21 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

01417242 Supplier Number: 41692688 (USE FORMAT 7 FOR FULLTEXT)

Computers' new frontier

Forbes, p257

Nov 26, 1990

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; General Trade

Word Count: 2929

... put on the case. An IBM RT-115 workstation, attached to 100 billion characters of **encoded** fingerprint images, did what humans didn't have the time to do and what computers of a few years ago couldn't do: **compare images** for similarity, millions of them. Case solved: A match was found with the prints of...identify an enemy tank or jet fighter by the characteristics of its heat signature. By **comparing** a digital representation of that signature to an onboard data- **base** of other heat **images** , the system helps a fighter pilot or antiaircraft launcher make the split-second decision of...

19/3,K/53 (Item 22 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

01115323 Supplier Number: 41254958

SCIENTIFIC VISUALIZATION: A New Computer Research Tool

Research & Development, p50

April, 1990

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

ABSTRACT:

...plot huge amounts of numerical data in multiple dimenstions as a function of time. The **images** produced readily expose **differences** between actual field data and theoretical models. The technique is being used to simulate Earth...

...techniques has already led to patents in injection molding techniques and a process for making **halftones** with laser **printers** for Eastman Kodak, which spent \$3 million on a Cray supercomputer for the U of...

19/3,K/54 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

12005916 SUPPLIER NUMBER: 61523504 (USE FORMAT 7 OR 9 FOR FULL TEXT)

New Products & Services. (Buyers Guide)

Health Management Technology, 21, 4, 84

April, 2000

DOCUMENT TYPE: Buyers Guide ISSN: 1074-4770 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1263 LINE COUNT: 00122

... is then bonded to the card surface using pressure and heat. Standard features include duplex **printing**, magnetic stripe **encoding**, and external smart card connection. Datacard Group, Minnetonka, MN, www.datacard.com

For more information...

19/3,K/55 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

11574287 SUPPLIER NUMBER: 58242249 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The high-end PC looks for a home.(Technology Information)

Dipert, Brian

EDN, 44, 24, 145

Nov 24, 1999

ISSN: 0012-7515 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 9651 LINE COUNT: 00812

... speaking and hearing a response, that the video window would be no larger than a **postage** stamp, and that the person I was communicating with would move as jerkily as Max...

...temporarily move the PC outside the LAN. I also didn't notice any performance- or **image** -quality **differences** between the mainstream and the high-end machines; the bottleneck is the Internet pathway between...

19/3,K/56 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

11408213 SUPPLIER NUMBER: 56030370 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The Process of Creating the Ideal Photo-Resume.(marketing of actors)

Charles, Jill

Back Stage, 40, 37, 37

Sept 17, 1999

ISSN: 0005-3635 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 9318 LINE COUNT: 00678

... be asked if you prefer photographic or lithographic reproduction. What's the difference? A photographic **print** is made from a negative projected onto photographic paper with sensitized silver emulsion, so that it has continuous tones from white to black. A lithographic **print**, however, is **printed** with ink on coated (glossy) paper, from a "screened" negative-a negative broken into little...

...is drastically reduced, because the cost of paper stock is only \$.02 per sheet as **compared** to \$.30 per sheet for **photographic** paper. This is one reason you can buy as many as 500 lithographic **prints** for the cost of 100 photographic **prints**.

Lithographic prints are more widely accepted in some markets than in others, The photo is...

...to fold and send out in a standard business-size envelope with only \$0.32 **postage** is a great savings if you're trying to keep in touch with

regional theatres...

19/3,K/57 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

11287771 SUPPLIER NUMBER: 55500454 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Monochrome Color Prints from BLACK & WHITE Negatives.
Stroebe, Leslie
PSA Journal, 65, 8, 30
August, 1999
ISSN: 0030-8277 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1659 LINE COUNT: 00133

... the procedures used are the choice between warm-tone and cold-tone printing papers (including **differences** in **image** color and paper **base** color), chemical toners (including subtle changes such as produced by selenium toner with cold-toned...

19/3,K/58 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10114273 SUPPLIER NUMBER: 20410732 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Three faces of light. (image development techniques) (Brief Article)
Haven, Phil
PSA Journal, v64, n3, p33(1)
March, 1998
DOCUMENT TYPE: Brief Article ISSN: 0030-8277 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 349 LINE COUNT: 00030

... a sheet of 4x5 Kodalith film (similar to making an ordinary enlargement). The results were **comparable** to Image #1 except it was on a film **base**, not paper. (Negative **image** to positive, film **base** to film base.) After developing, fixing and thoroughly drying, this first transparency was contact-printed...

19/3,K/59 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10114271 SUPPLIER NUMBER: 20410730 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Do it in the dark! Or not. (digital imaging)
Clifton, Bruce
PSA Journal, v64, n3, p26(4)
March, 1998
ISSN: 0030-8277 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2574 LINE COUNT: 00194

... carefully selected and optimized images are not of much use when you are trying to **compare printers** for **printing photographs**. The **print** speed specifications from the **printer** manufacturers do not apply for photographs. For instance, the Epson 600 is advertised as **printing** up to three pages per minute in color, but in its highest resolution graphics mode...

19/3,K/60 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09739876 SUPPLIER NUMBER: 19768777 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Statoil Group chooses Western Geophysical for 4-D modeling of Statfjord field in North Sea.

Improved Recovery Week, v6, n32, p1(2)

August 18, 1997

ISSN: 1061-3692

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 403

LINE COUNT: 00035

... surveys over time. The interval between surveys is considered to be the fourth dimension. Seismic **images** of the **base** and subsequent surveys are **compared** discern **differences** in the seismic attributes. These differences are then correlated to changes in reservoir properties.

Vilgeir...

19/3,K/61 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09658962 SUPPLIER NUMBER: 19434540 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Security at the touch of a finger. (PrintScan International Inc.'s PrintScan Core software) (QuickLook)

Sciannamea, Mike

Electronic Design, v45, n6, p64L(1)

March 17, 1997

ISSN: 0013-4872

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 434

LINE COUNT: 00038

... by trained experts - with the same degree of accuracy. Minutiae from a scanned fingerprint are **encoded** and stored, then **compared** to the **image** of the actual fingerprint being presented. Coincident Sequencing refers to the information that is extracted...

19/3,K/62 (Item 9 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09658694 SUPPLIER NUMBER: 19433291 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Turning high-end video into high quality print.

Terr, Brian

Advanced Imaging, v12, n3, p36(3)

March, 1997

ISSN: 1042-0711

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1931

LINE COUNT: 00152

... that one megabyte, if output, would produce an image about the size of a large **postage** stamp at standard quality levels.

Further illustrating this is a pixel-per-pixel resolution comparison

...

...in clearly less than satisfactory results - images that appeared less sharp and lacked color fidelity **compared** to the same scene **photographed** conventionally.

But for more than 20 years now, Quantel has uniquely been developing

innovative imaging...

19/3,K/63 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09651783 SUPPLIER NUMBER: 18931092 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Spotmagic's IDVMEDIA: sending commercial images over FM radio.
Hamit, Francis
Advanced Imaging, v11, n11, p77(2)
Nov, 1996
ISSN: 1042-0711 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1172 LINE COUNT: 00093

... graphic strategy, derived from the domain of the online catalog,
has generally been to provide **postage** stamp format images that can be
clicked on to access a larger version if so...

...to many solution will give broadcasters the necessary edge they need to
compete with their **print** cousins remains to be seen.

Certainly they can carve out a niche market. Perhaps several.

19/3,K/64 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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08045795 SUPPLIER NUMBER: 17123265 (USE FORMAT 7 OR 9 FOR FULL TEXT)
FARGO INTRODUCES FOTOFUN!: DIGITAL COLOR PHOTO PRINTER PRODUCES OUTPUT
COMPARABLE TO A PHOTO LAB -- PRICED UNDER \$400!
PR Newswire, p808NY089
August 8, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 542 LINE COUNT: 00054

FARGO INTRODUCES FOTOFUN!: DIGITAL COLOR PHOTO PRINTER PRODUCES OUTPUT
COMPARABLE TO A PHOTO LAB -- PRICED UNDER \$400!

... heavier weight postcard media for the printer that is preprinted
with the appropriate address and **postage** indicators on the non-image
side. Users can print photos, with text, if desired, on the image side,
handwrite a message on the non-image side, add **postage** and drop the
postcard in the mail. Any picture that is input into a PC...

19/3,K/65 (Item 12 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07964709 SUPPLIER NUMBER: 17181080 (USE FORMAT 7 OR 9 FOR FULL TEXT)
There's no such thing as electronic photography.
Burkholz, Herbert C.
PSA Journal, v61, n6, p10(2)
June, 1995
ISSN: 0030-8277 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1783 LINE COUNT: 00139

... valuable and collectible forms of art. If we photographers are
unable to clearly define the **difference** between a **photograph** and an
electronically generated image, you can be certain that the general public

will certainly not understand the **difference** .

It is imperative that **photo** writers, manufacturers of photographic materials and hardware, the advertising media as well as professional and ...

...not want to be the one who has invested big bucks in an Adams original **print** . Would you? If we photographers are not careful to disassociate ourselves from the magic of...exhibit. The maximum width that can be digitized is 8.5 inches. Please include return **postage** and the original prints will be returned right after they are scanned. Each image must...
...to Robert Gorrill, 70 Gladstone Street, Squantum, Massachusetts 02171-1063. Be sure to include return **postage** . For more information on PSA's on-line activity, access CompuServe with your computer and...

19/3,K/66 (Item 13 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07223579 SUPPLIER NUMBER: 15249052 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SQL software adds verification of signatures to image system. (check image processing software Signer Confidence) (Brief Article)

Tucker, Tracey

American Banker, v159, n55, p16(1)

March 22, 1994

DOCUMENT TYPE: Brief Article ISSN: 0002-7561 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 422 LINE COUNT: 00034

... banks use for manual check signatures verification. Veritas enables banks to create a computer data **base** of signature **images** and corresponding account information.

Instead of **comparing** paper checks to paper signature cards, banks compare paper checks to the stored signature images...

19/3,K/67 (Item 14 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06762965 SUPPLIER NUMBER: 14605580 (USE FORMAT 7 OR 9 FOR FULL TEXT)
S&B Machinery launches US verification system. (Sussex and Berkshire Machinery)

Ayshford, Hilary

Packaging Week, v9, n20, p11(1)

Oct 28, 1993

ISSN: 0267-6117 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 360 LINE COUNT: 00027

... be checked, and can be used in conjunction with other control equipment such as bar **code** verifiers or OCR readers. Variable information could also be added via a dot matrix printer, said the company.

A Parish Automation system for **comparing printed** samples with the master **image** was also on show. The sample is laid directly over the master and differences such...

19/3,K/68 (Item 15 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06113636 SUPPLIER NUMBER: 12547056 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Packed out. (PAKEX-International Packaging Exhibition '92)
Soap Perfumery & Cosmetics, v65, n7, p43(4)
July, 1992
ISSN: 0037-749X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4100 LINE COUNT: 00321

... risk of marking the products themselves.
Metronic Systems brought in two new technologically advanced printing/
coding machines, the Beta Jet and Lasertronic. The Beta Jet has the
advantage of high print resolution, capable of providing a closed **image**
compared with competitive machines. The Beta Jet prints on porous
surfaces, has low ink consumption and...

...with problematic surface structures. This feature means the power source
can be removed from the **printer** vicinity.

Allen **Coding** Machines introduced a new semi-automatic Hot Foil
overprinting machine, developed to handle a variety...

19/3,K/69 (Item 16 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05792091 SUPPLIER NUMBER: 11866708 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The M&A Rosters; third quarter 1991.
Mergers & Acquisitions, 26, n4, 65(65)
Jan-Feb, 1992
ISSN: 0026-0010 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 104170 LINE COUNT: 10201

... Tele-Communications is mainly engaged in the operation of cable
television systems and motion picture **theater** exhibition. Its cable
systems offer a basic service, with optional specialized programming
services, premium services...mail-order marketing of its products. H. E.
Harris & Co. is a marketer of postage **stamps** and philatelic supplies.
Effective Date: 9-4-91

Handleman Co. acq. Lieberman Enterprises
Troy, MI...

19/3,K/70 (Item 17 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05496162 SUPPLIER NUMBER: 11425460 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The second multimedia conference on interactive CD. (CD-ROM Publishing)
Bonime, Andrew
CD-ROM Professional, v4, n6, p87(4)
Nov, 1991
ISSN: 1049-0833 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2898 LINE COUNT: 00221

... to the regular prints. When returned, the Photo CD comes with a set
of numbered **postage** stamp sized images which provide easy reference and
access to images stored on the disc...

...made from Photo CD - never identifying which was which, attendees were
unable to tell the **difference** .

Photo CD uses the new CD-R recordable Orange Book standard if it is written by...

19/3,K/71 (Item 18 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05219412 SUPPLIER NUMBER: 10887009 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Harnessing blue noise for picture printing: new technology improves electronic and optical halftoning; researchers now looking at color.
Rosenberg, Jim
Editor & Publisher, v124, n23, p18(2)
June 8, 1991
ISSN: 0013-094X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1993 LINE COUNT: 00159

... a black or a white . . . in the binary image," which can be output on the **printer** . Digitally, an image pixel larger than a corresponding **halftone** screen pixel is **printed** as a one (turned on, or darkened) and an image pixel smaller than the screen pixel is **printed** as a zero (left white).

Parker said blue noise mask patterns can be tiled seamlessly...

19/3,K/72 (Item 19 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05161318 SUPPLIER NUMBER: 10707302 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Automatic link boosts HF radio. (high-frequency)
Beamish, William
Global Communications, v13, n3, p14(4)
May-June, 1991
ISSN: 0195-2250 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1922 LINE COUNT: 00149

... A diagram of the systems Configuration.
PHOTO : Fig. 1: A Typical LQA Matrix for Originating **Base** Station.
PHOTO : Fig. 2: MIL-STD-188-110A Serial Tone vs. FSK **Comparison** .
PHOTO : Figure 3: 100-watt Transceiver

19/3,K/73 (Item 20 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05151081 SUPPLIER NUMBER: 10687822 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Contract for Hibernia field GBS awarded. (Hibernia Management and Development)
Ocean Industry, v26, n3, p100(1)
April-May, 1991
ISSN: 0029-8026 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 709 LINE COUNT: 00059

... the rigidity of the annulus. The forces are therefore not transmitted to the oil storage **compartments** and the four deck support columns.

PHOTO : Gravity **Base** Structure with tooth-shaped outer wall protecting interior oil storage and four platform support columns...

19/3,K/74 (Item 21 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05136537 SUPPLIER NUMBER: 10589045 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cashmere: putting a lid on prices. (cashmere knitwear)

Hartlein, Robert

WWD, v161, n70, p8(2)

April 10, 1991

ISSN: 0149-5380 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1833 LINE COUNT: 00139

... Soft Sports line on totally younger looks was not consistent with the firm's primary **image** and customer **base** .

TSE Cashmere expects to double its wholesale business this fall, **compared** with a year ago, according to Lisa Cervantes, the firm's vice president.

"This is...

19/3,K/75 (Item 22 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04900371 SUPPLIER NUMBER: 09598775 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Computers' new frontier. (uses of image processing)

(Computers/Communications)

Churbuck, David

Forbes, v146, n12, p257(6)

Nov 26, 1990

CODEN: FORBA ISSN: 0015-6914 LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT; ABSTRACT

WORD COUNT: 3110 LINE COUNT: 00239

... put on the case. An IBM RT-115 workstation, attached to 100 billion characters of **encoded** fingerprint images, did what humans didn't have the time to do and what computers of a few years ago couldn't do: **compare images** for similarity, millions of them. Case solved: A match was found with the prints of...

19/3,K/76 (Item 23 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04619193 SUPPLIER NUMBER: 08682830 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Productivity trends in the photographic equipment and supplies industry.

Kipnis, Stuart; Huffstutler, Clyde

Monthly Labor Review, v113, n6, p39(11)

June, 1990

CODEN: MLARA ISSN: 0098-1818 LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

WORD COUNT: 7706 LINE COUNT: 00639

... components of sensitized materials, film and paper, are manufactured by very similar processes. The major **difference** is in the **base** used. **Photographic** paper **base** is made by a method similar to that used for other papers.21 However, the...

19/3,K/77 (Item 24 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04591556 SUPPLIER NUMBER: 08497436 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The status quo tendency in decision making.

Silver, William S.; Mitchell, Terence R.
Organizational Dynamics, v18, n4, p34(13)
Spring, 1990

ISSN: 0090-2616 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6975 LINE COUNT: 00559

... forecasting programs, pro-and-con lists, and decision trees, are
available for carrying out this **comparison**.

People **compare images** and then **base** their actions upon the
compatibility of these images in the general process for both progress...

19/3,K/78 (Item 25 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04139688 SUPPLIER NUMBER: 07883750 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Solid printer at a low price: Hewlett-Packard Co., PaintJet, \$1,395;

**Interface Kit for Macintosh computers, \$125. (Hardware Review) (one of
three evaluations in 'Color ink-jet printers add flair to output produced
by Macintosh') (evaluation)**

Frenkel, Garry; Zimmerman, Michael
PC Week, v6, n45, p33(3)
Nov 13, 1989

DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 901 LINE COUNT: 00068

... halftones two-and-a-half times slower than the Tektronix printer.
With the other test **picture** files the **differences** were not as great,
but the PaintJet was still slower.

In printing the Microsoft Word...

19/3,K/79 (Item 26 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04081532 SUPPLIER NUMBER: 07824499 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Hospital CEOs don't use personal computers - yet. (chief executive
officers)**

Lappa, Karen
Hospitals, v63, n14, p24(3)
July 20, 1989

ISSN: 0018-5973 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1489 LINE COUNT: 00111

... Sakai, administrator,

PHOTO : Shriners Hospitals for Crippled Children, Honolulu, trained
some of his employees to

PHOTO : **extract data base** records.

19/3,K/80 (Item 27 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03900376 SUPPLIER NUMBER: 07173216 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Scanning views: Microtek, Data Copy; midrange scanners show sophistication.

(Hardware Review) (Microtek Lab Inc.'s MS-F300QS and Data Copy Corp.'s
730GS) (evaluation)

Valdez, Rick

MacWEEK, v3, n13, p68(3)

March 28, 1989

DOCUMENT TYPE: evaluation ISSN: 0892-8118 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1947 LINE COUNT: 00148

... relatively low-quality printing techniques used by most desktop publishers.

Compared with a traditional photographic **halftone**, raw scanner output doesn't quite measure up. However, photo images must pass through several...

...distinctions are often lost. To readers, there may be no noticeable difference between the traditional **halftone** and the computer-produced one. Since the number of gray scales a scanner produces is directly proportional to its price, consider the **print** quality of your ultimate output before making a buying decision.

Another important consideration in buying...

19/3,K/81 (Item 28 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03672561 SUPPLIER NUMBER: 06497776 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Hot-dip demand up despite high tags. (galvanized metals; high zinc prices)

Rappleyea, Warren

American Metal Market, v96, n141, p1(2)

July 20, 1988

ISSN: 0002-9998 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 858 LINE COUNT: 00067

... gone up several times this year, and, as one industry

PHOTO : exec put it, the **difference** between a surcharge or escalator and a **base** price increase "is

PHOTO : a matter of semantics."

19/3,K/82 (Item 29 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03524633 SUPPLIER NUMBER: 06426480 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Doing it with duotones.

Piskora, Beth

Graphic Arts Monthly, v60, n4, p78(2)

April, 1988

ISSN: 1047-9325 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1091 LINE COUNT: 00085

... Singer defines duotones as "the use of two colors in photographic reproduction as compared to **halftones** , which are one color. Duotones are an exciting tool in the graphic arts repertoire. The...

...range from subtle to very intense. In essence, duotones add value and interest to your **printed** communications."

A business reply card enclosed with the relatively generic booklet pulled so many responses...

19/3,K/83 (Item 30 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03519778 SUPPLIER NUMBER: 06726127 (USE FORMAT 7 OR 9 FOR FULL TEXT)

There's more in the picture than meets the eye. (image-analysis improvements)

Wetzler, Fred

Research & Development, v30, n5, p92(4)

May, 1988

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2125 LINE COUNT: 00184

... for industrial-process investigation to collect, analyze, correlate, and store image data. You, then, can **extract** from your data **base** information from stored **images** or from morphological or object-classification files previously stored for reference.

In one such application...

19/3,K/84 (Item 31 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03132213 SUPPLIER NUMBER: 04788485 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Manufacturing modeling on personal computers.

Brown, Alex

Folio: the Magazine for Magazine Management, v16, p125(6)

April, 1987

ISSN: 0046-4333 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 4299 LINE COUNT: 00329

... the base and increment approach can be quite high: Here the projection is \$5 off.

Photo : Figure 2

Zero **base** manufacturing models project costs using fine increments. This prototype report **compares** actual costs to budgeted expenses derived from the model's assumptions. Because volume change took...

19/3,K/85 (Item 32 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

02482381 SUPPLIER NUMBER: 03962943 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Softer tools for graphic arts; matching the ambidexterity of the quill challenges electronic page description languages.

Warnock, John; Nace, Ted

Graphic Arts Monthly, and The Printing Industry, v57, pS20(3)

Oct, 1985

ISSN: 0017-3312 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2261 LINE COUNT: 00181

... digital form by a scanner and then printed in a manner similar to a halftone **image** . The only **difference** is that the each **halftone** cell contains only one spot, thus reducing the greyscale to two shades: white and black...

19/3,K/86 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01183301

The memory that improves with age.
NEW SCIENTIST April 18, 1985 p. 281

... that any technology which now stores the data as digits will never be able to **extract** more **image** definition from the system than it **encodes** at the time of storage. Retriever can record more detail than current video technology can display. With future developments, however, it would be possible to **extract** all the information already recorded **photographically** . The documents are **printed** on microfilm with a resolution of 0.5 microns. Images on this film are then arranged in a computer **coded** matrix. A selected picture can then be moved past a linear array of charge-coupled...

19/3,K/87 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

00461427

Nikon's Model 6 Comparison Microscope for inspection and measurement of IC and LSI masks is offered by Nikon Inc's Instrument Div (Garden City, NY).

News Release (for further information apply to company indexed) December 29, 1978 p. 1,2

Original and working mask **images** are superimposed so that minute **differences** (within 0.7 microns) can be detected and photographed with either transmitted or reflected light. A photoelectric rotary **encoder** in the micrometer head permits precise digital measurements which are recorded by the **printer** . (Nikon Inc news release) ...

19/3,K/88 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02352435 SUPPLIER NUMBER: 57746508 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ADVISOR(R) ANSWERS(TM) .

Cobb, Michael
e-Business Advisor, 17, 10, 38
Nov, 1999

LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1848 LINE COUNT: 00153

... template against which future verifications are made. There are two primary methods of "reading" the **print** : finger image and minutiae-based.

Full image systems take an image of the entire finger and make comparisons by **comparing** different parts of the actual **image**. Minutiae-based systems take measurements of the fingerprint, such as the number of ridges between...

...and require users to place their finger onto silicon chips about the size of a **postage** stamp. A typical dc-capacitive fingerprint sensor consists of rectangular arrays of capacitors on a...

19/3,K/89 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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02180413 SUPPLIER NUMBER: 20526647 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fireworks lights up professional Web graphics market. (Macromedia's FireWorks) (Product Information)
McKenzie, Matt
Seybold Report on Internet Publishing, v2, n8, p29(1)
April, 1998
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1255 LINE COUNT: 00100

... toolbar that lets the user define map areas and then link them to a color- **coded** URL with a single mouse click. The software can generate both client-side and server-side image maps.

Perhaps the most **impressive** feature of Fireworks, however, is its export-preview window. The window shows multiple iterations of...

19/3,K/90 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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02101589 SUPPLIER NUMBER: 19758615 (USE FORMAT 7 OR 9 FOR FULL TEXT)
OneVision's DigiScript: PostScript editing at its best. (publishing industry software) (Product Information)
Wolf, Kurt K.
Seybold Report on Publishing Systems, v26, n1, p33(3)
Sep 1, 1997
ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2454 LINE COUNT: 00198

... to separated pages, support interactive elements, import duotone images, recognize OPI elements with DCS extensions, **extract** fonts faster and **code images** in binary or ASCII format.

More than a preflight check. While a preflight program can...

19/3,K/91 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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02087283 SUPPLIER NUMBER: 19649376
Tally touts photo-realism at low cost. (Tally Printer's Spectra*Star T8050 dot-transfer color printer) (Product Announcement)
Lyons, Daniel
Computer Reseller News, n746, p104(1)
July 21, 1997
DOCUMENT TYPE: Product Announcement ISSN: 0893-8377 LANGUAGE:

English RECORD TYPE: Abstract

ABSTRACT: Tally **Printer** announces its new \$11,995 Spectra*Star T8050 variable dot-transfer color **printer**, and it is marketing the device for the general graphics market. The **printer** uses a type of thermal wax technology, and it provides photo-realistic color **halftone printing** for photos, text and graphics at \$3.75 per Wide B page. Tally executives believe the **printer** will have appeal for resellers because the **printer** offers a much less costly technology **compared** to competing **photo**-realistic options. For example, the Spectra*Star T8050 is approximately 30% less costly than other...

19/3,K/92 (Item 5 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01885134 SUPPLIER NUMBER: 17731640 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Digital Fotovix IIIS-D. (Tamron Industries) (Evaluation)

Lu, Cary

Macworld, v13, n1, p67(1)

Jan, 1996

DOCUMENT TYPE: Evaluation ISSN: 0741-8647 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 591 LINE COUNT: 00050

...ABSTRACT: look muddy, and still-video images have visible flaws at any size larger than a **postage** stamp. Digitizing a slide takes only about 35 seconds, but getting adequate results requires frequent...

... dark areas into mud. Still-video images simply don't look good--you can't **print** the image bigger than a large **postage** stamp without seeing flaws. Such poor quality is acceptable for video, but the Fotovix digitizes only stationary **images**--it can't **extract** a single frame from a moving image.

Although the Fotovix took only about 35 seconds...

19/3,K/93 (Item 6 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01844936 SUPPLIER NUMBER: 17558029 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Speed up your paper flow with Xerox's Work Center 250. (Xerox Corp) (First Looks) (Hardware Review) (Evaluation) (Brief Article)

Brown, Bruce

PC Magazine, v14, n18, p54(1)

Oct 24, 1995

DOCUMENT TYPE: Evaluation Brief Article ISSN: 0888-8507

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 478 LINE COUNT: 00039

... in memory.

In testing, the WorkCenter 250 produced text pages at a typical ink jet **printer** speed of 2.5 ppm, and graphics pages at a more **impressive** 2.2 ppm. The quality of **halftone images** and text **print** samples was **comparable** to that of 300-dpi laser **printers** in terms of sharpness and tone gradation. Graphics copying benefits from the unit's gray...

19/3,K/94 (Item 7 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01811409 SUPPLIER NUMBER: 17315102 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The resolution solution. (finding the best resolution for scanned images)
Lawler, Brian P.
MacUser, v11, n9, p101(2)
Sep, 1995
ISSN: 0884-0997 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1641 LINE COUNT: 00129

... Size
Using a lower oversample ratio to set the scanning resolution (ppi) .
for a given **halftone** frequency (lpi) of an image yields smaller file
sizes, often without a noticeable **difference** in **printed - image**
quality. **Compare** these numbers for a typical 4-x-5-inch CMYK image.
85 lpi 133 lpi...

19/3,K/95 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01668763 SUPPLIER NUMBER: 15047570 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Peering inside the PE: a tour of the Win32 portable executable file format.
(includes related articles on header formats, directory entries, header
fields) (Tutorial)
Pietrek, Matt
Microsoft Systems Journal, v9, n3, p15(18)
March, 1994
DOCUMENT TYPE: Tutorial ISSN: 0889-9932 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 9524 LINE COUNT: 00734

... Note that the RVA values shown have already been replaced by the
VirtualAddress in the **IMAGE** [underscore] **BASE** [underscore]RELOCATION
field.

Differences Between PE and COFF OBJ Files
There are two portions of the PE file sthat...

19/3,K/96 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01630107 SUPPLIER NUMBER: 14619614 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Agfa's Chromapress: adding value to Xeikon's short-run color printer. (Agfa
Corp. introduces Chromapress short-run color printer) (Product
Announcement)**
Karsh, Arlene E.
Seybold Report on Publishing Systems, v23, n4, p13(6)
Oct 11, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0736-7260 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4488 LINE COUNT: 00349

... Seybold San Francisco Oct. 20-22.
As a result of the variable dot density and **halftone** screening
optimized for the engine, Agfa states that the **print** resolution for the
device produces results equivalent to 2,400 dpi or 150 lpi rather than

resembling output from 600-dpi laser **printers** . We haven't seen enough samples to form a strong opinion in this area, but we do agree that **printing** techniques such as are used in the Chromapress, which are **comparable** to contone **printing** of **photographs** , require a completely new approach to evaluating resolution as a quality indicator for reproducing photographs...

19/3,K/97 (Item 10 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01605454 SUPPLIER NUMBER: 14007161 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Xerox's DocuTech: printing on demand at high speed on a network. (summary of feature article)

Seybold Report on Publishing Systems, v22, n18, p1(1)

June 22, 1993

ISSN: 0736-7260

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 484

LINE COUNT: 00034

... supplied electronic files to Xerox's lab in Rochester, NY, where they were used to **print** , collate and saddle-stitch this issue in one continuous process on the latest version of...

...Signature Booklet Maker and the brand-new, still-unreleased Cover Inserter. With one exception (the **comparison photo** on p. 10), **halftones** were scanned by us and supplied as part of our electronic files. They were screened...

19/3,K/98 (Item 11 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01604635 SUPPLIER NUMBER: 13946645 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Seybold Awards for Excellence. (Seybold Special Report; 11 awards were given for innovative or valuable electronic publishing technologies and products at the Apr 1993 Seybold Seminars in Boston, MA)

Seybold Report on Publishing Systems, v22, n16, pS2(1)

May 19, 1993

ISSN: 0736-7260

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 773

LINE COUNT: 00067

... CristalRaster and Linotype-Hell's Diamond Screening.

Based on frequency modulation rather than creation of **halftone** cells and rosettes, these systems produce high-quality **printed** images at much lower resolutions than typically are used with traditional screening technology. These were...

...SpecialEdition. This customizable newspaper system, made almost entirely from off-the-shelf components, provides an **impressive** means of tracking the status of the elements within any job. * CalComp's chemical-free...

...that facilitates using scanned data more effectively, High Dynamic Range software could give desktop users **image** control **comparable** to that on the high end.

Items viewed as products that received honorable mention: * Apple...

19/3,K/99 (Item 12 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01600997 SUPPLIER NUMBER: 13938319 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seybold awards for excellence. (Seybold Seminars '93)
Seybold Report on Desktop Publishing, v7, n9, p21(1)
May 3, 1993
ISSN: 0889-9762 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 776 LINE COUNT: 00067

... CristalRaster and Linotype-Hell's Diamond Screening.
Based on frequency modulation rather than creation of **halftone** cells and rosettes, these systems produce high-quality **printed** images at much lower resolutions than typically are used with traditional screening technology. These were...

...SpecialEdition. This customizable newspaper system, made almost entirely from off-the-shelf components, provides an **impressive** means of tracking the status of the elements within any job. * CalComp's chemical-free...

...that facilitates using scanned data more effectively, High Dynamic Range software could give desktop users **image** control **comparable** to that on the high end.

Items viewed as products that received honorable mention: * Apple...

19/3,K/100 (Item 13 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01600234 SUPPLIER NUMBER: 13875665 (USE FORMAT 7 OR 9 FOR FULL TEXT)
More than meets the eye. (Comparative Analysis: Desktop Publishing Support) (Buyer's Guide: High-Res Laser Printers)
Poor, Alfred
PC Sources, v4, n6, p184(1)
June, 1993
ISSN: 1052-6579 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 753 LINE COUNT: 00056

... based on 300-dpi engines, achieving their high resolutions solely through enhancement techniques.

Shades of Differences

For a gray-scale **image**, you need a **printer** that can create smooth patterns of tiny dots that will simulate different shades of gray. This process uses dither patterns, commonly known as **halftones**. Whatever you call them, finer dots make it possible to create more shades of gray...

19/3,K/101 (Item 14 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01599362 SUPPLIER NUMBER: 13745766 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seybold Seminars '93: a quick overview from the high end. (Boston, Apr 13-16, 1993) (includes related article on 1993 Seybold Awards for Excellence) (Product Announcement)
Seybold Report on Publishing Systems, v22, n15, p15(7)
April 26, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0736-7260 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT

WORD COUNT: 5881 LINE COUNT: 00472

... CristalRaster and Linotype-Hell's Diamond Screening.
Based on frequency modulation rather than creation of **halftone** cells and rosettes, these systems produce high-quality **printed** images at much lower resolutions than typically are used with traditional screening technology. These were...

...SpecialEdition. This customizable newspaper system, made almost entirely from off-the-shelf components, provides an **impressive** means of tracking the status of the elements within any job. * CalComp's chemical-free...

...that facilitates using scanned data more effectively, High Dynamic Range software could give desktop users **image** control **comparable** to that on the high end.

Items viewed as products that received honorable mention: * Apple...

19/3,K/102 (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01563735 SUPPLIER NUMBER: 13385708
FBI's Drugfire identifies cartridges, links crimes. (Drugfire image data base)

Jones, Jennifer
Federal Computer Week, v7, n2, p39(2)
Jan 18, 1993

ISSN: 0893-052X LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: The FBI's Drugfire **image** data **base** system enables the **comparison** of grooves left on discharged cartridges to link criminal cases involving guns. Law enforcement knows...

19/3,K/103 (Item 16 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01557246 SUPPLIER NUMBER: 14639021
New from Aldus. (Software Review) (Aldus PhotoStyler 2.0 image processing software) (Evaluation)

Allison, Nicholas H.
Aldus Magazine, v5, n1, p15(2)
Nov, 1993

DOCUMENT TYPE: Evaluation ISSN: 1046-0616 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: the Kodak Precision Color Management System, which provides consistent color correction through image editing to **printing**. **Image** previews allow users to **compare** and contrast different results through multiple on-screen windows before saving the file. CMYK composite...

...and gives users the ability to save settings for tools. PhotoStyler supports PostScript Level 2 **printing** and provides commercial **printing** controls such as **halftone** angle and dot gain and shape. Aldus recommends an 80486-based microcomputer with 8Mbytes of...

19/3,K/104 (Item 17 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01538239 SUPPLIER NUMBER: 12734977 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fax me to the moon: what's hot in fax technology - plus: ten top units reviewed. (facsimile machines) (Buyers Guide)

Roth, Cliff

Home Office Computing, v10, n10, p66(7)

Oct, 1992

DOCUMENT TYPE: Buyers Guide ISSN: 0899-7373 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4401 LINE COUNT: 00329

... of Panasonic's popular answering machines. The received-image quality is quite good for thermal **printing**, and the paper tends to curl less than that of other models (**comparable** with Brother's). The transmitted- **image** quality is excellent. The KX-F90 has Super-Fine 400-dpi transmission resolution and a **halftone** transmission option. But they can't be used together-you can send **halftones** only in the Fine mode. There's a light-original adjustment, but no correction for...

19/3,K/105 (Item 18 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01522280 SUPPLIER NUMBER: 12335096 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MacUser minifinders: 1001 Macintosh products. (Buyers Guide)

MacUser, v8, n8, p87(52)

August, 1992

DOCUMENT TYPE: Buyers Guide ISSN: 0884-0997 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 77991 LINE COUNT: 06173

... Tower Lane, 18th Floor, Foster City, CA 94404.

Data Acquisition & Analysis

IPLab Spectrum

This scientific **image** -processing package **extracts** and analyzes data from **photographic** -quality color images. Supports video capture and includes scripting language. Allows mathematically expressed image modification...

...MA 02143. 617-625-4096. (July '88) [MF#602]

Ultimage

Ultimage/X is a scientific **image** -processing package that **extracts** and analyzes data from **photographic** -quality color images. Supports video capture. Includes scripting language and provides morphology and sophisticated quantitative...later. Free via on-line services such as ZiffNet/Mac; customized version, \$45; or send **postage** -prepaid disk mailer and an 800K disk. Golden State Graphics (Jim Lewis), 2137 Candis Ave...
Spectra*Star 430

The Spectra*Star 430 is a 300-dpi thermal-wax-transfer color **printer** with excellent output. Uses PipeLine's PowerPage PostScript clone. Options include slide **printer** and internal hard-disk drive. \$6,995. General Parametrics Corp., 1250 Ninth St., Berkeley, CA...

...8900. (Sept '91) [MF#1105]

Hewlett-Packard DeskWriter C

This affordable 300-dpi color inkjet **printer** provides good image quality. Can be slow for complex color layouts, because Mac does all...

...black-and-white or color modes) complicates use when alternating between text-only and color **print** jobs. Full-page color images leave plain paper damp and wrinkled; special coated papers for inkjet **printers** provide better color and more-stable images. Requires Mac with 4 MB of RAM and...

19/3,K/106 (Item 19 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01508585 SUPPLIER NUMBER: 12009858 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Inexpensive images: Halo Desktop Imager Ver. 1.0. (Media Cybernetics Inc.'s image processing software) (Software Review) (Product Reviews) (Evaluation)

Yakal, Kathy
PC Sources, v3, n4, p395(1)
April, 1992
DOCUMENT TYPE: Evaluation ISSN: 1052-6579
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 749 LINE COUNT: 00057

... t do. First, you can test a range of settings such as brightness, contrast, or **halftones** by creating test strips on the screen or **printer**. You select the range and the attribute to preview, and the program produces a group of miniature **images** you can **compare**. This can save time for the novice who hasn't worked much with image processing...

...experienced user on a deadline. You can also produce your image as a poster by **printing** it in sections and pasting them together. In addition, Media Cybernetics' proprietary M/Color technology...

19/3,K/107 (Item 20 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01427970 SUPPLIER NUMBER: 10588626 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Overview of the px64 kbit/s video coding standard. (technical)

Liou, Ming
Communications of the ACM, v34, n4, p59(5)
April, 1991
DOCUMENT TYPE: technical ISSN: 0001-0782 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2175 LINE COUNT: 00173

... the bit rate used. While it is difficult to demonstrate motion effect in printed form, **image** quality can be roughly **compared** at a particular frame of a video sequence for CIF and QCIF at various bit rates.

Figure 4 shows the original and **coded** pictures under various conditions. The 115th frame of the "Salesman" test sequence was used for...

19/3,K/108 (Item 21 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01425650 SUPPLIER NUMBER: 09761009 (USE FORMAT 7 OR 9 FOR FULL TEXT)
R:BASE 3.1 - on the road to recovery. (Software Update) (Software Review) (evaluation)

Litwin, Paul
Data Based Advisor, v9, n1, p64(4)
Jan, 1991
DOCUMENT TYPE: evaluation ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2521 LINE COUNT: 00190

... 11.
The big picture
So where does R:BASE 3.1 fit into the big **picture** ? R: **BASE**
compares favorably with offerings from Ashton-Tate and Borland in several
ways.
First, it's the...

19/3,K/109 (Item 22 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01340622 SUPPLIER NUMBER: 08316520
**Real-time system for accurate three-dimensional position determination and
verification. (technical)**
Hussain, Basit; Kabuka, Mansur R.
IEEE Transactions on Robotics and Automation, v6, n1, p31(13)
Feb, 1990
DOCUMENT TYPE: technical ISSN: 1042-296X LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: through the computation of the relative accuracy between two
consecutive scans of the environment and **comparison** to a data **base** of
image patterns in real time. The use of a robotic vision system to gain
visual information...

19/3,K/110 (Item 23 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01311417 SUPPLIER NUMBER: 07397296 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**A six-pack for the Mac. (Software Review) (image processing software for
the Macintosh)**
Hollinger, Steven J.
ESD: The Electronic System Design Magazine, v19, n6, p26(8)
June, 1989
ISSN: 0893-2565 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5271 LINE COUNT: 00434

... and impressive processing library, TCL-Image from Perceptics is
well suited to the automated feature **extraction** or **image** restoration
markets. Finally, NIH's Image 1.06 is written by and for the medical
community, but its shareware status and source **code** listings make it
especially attractive as a stepping-stone to advanced processing or
analysis.
Acknowledgment...

19/3,K/111 (Item 24 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01310119 SUPPLIER NUMBER: 07583608 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Smart Art. (utility program)
Wasson, Gregory
MacUser, v5, n10, p84(3)
Oct, 1989
DOCUMENT TYPE: evaluation ISSN: 0884-0997 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 958 LINE COUNT: 00073

... into word processors such as MacWrite II. This is where Smart Art really makes a **difference**. When you paste an **image**, the PostScript **code** is slyly embedded within the PICT resource. Thus, when you **print** the document, the graphic is **printed** as EPSF. If you have a large collection of EPSF clip art that you've...

19/3,K/112 (Item 25 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01276244 SUPPLIER NUMBER: 07756672
Datacopy Model 730GS. (Hardware Review) (one of five scanner evaluations)
(evaluation)
Jantz, Richard
PC World, v7, n11, p135(2)
Nov, 1989
DOCUMENT TYPE: evaluation ISSN: 0737-8939 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: 730GS gray-scale scanner is a 6-bit system whose output is adequate for laser- **printers** but **comparatively** poor at producing scanned **photos** on a high-resolution typesetter. It includes PC Image, a Windows-based software package which provides 'dithering' options to show a crude **half - tone** emulation. Dithering is useful only with 300-dpi output and the software lacks editing features...

19/3,K/113 (Item 26 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01258880 SUPPLIER NUMBER: 07018089 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The help folder. (question-and-answer) (column)
Espinosa, Chris
MacUser, v4, n11, p155(7)
Nov, 1988
DOCUMENT TYPE: column ISSN: 0884-0997 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 4144 LINE COUNT: 00303

... the image, and it's finer.

PageMaker is doing the same thing. But the big **difference** in the PageMaker **picture** is that Bitmap Smoothing has been turned off in the **Print** dialog box. This feature is good for smoothing angles and curves in ``line art'' bit-mapped images, but it's very bad for scanned and **halftone** images like the ones you're **printing**. It looks like the **difference** between the SuperPaint and PageMaker **image** is simply the Bitmap Smoothing setting.

So to get the highest quality images out of...

19/3,K/114 (Item 27 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01256962 SUPPLIER NUMBER: 07011183 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Shedding more light on image editing. (Digital Darkroom 1.0) (Software Review) (evaluation)

Webster, Robin

MacWEEK, v2, n39, p50(2)

Sept 27, 1988

DOCUMENT TYPE: evaluation ISSN: 0892-8118 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1313 LINE COUNT: 00102

... and yet return to the original settings by maintaining both a copy of the original **image** (the **base image**) and a display image.

Differences between these two versions can be viewed at any time via a special image graph...

19/3,K/115 (Item 28 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01252757 SUPPLIER NUMBER: 06884553 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Security system checks prints. (ThumbScan Inc fingerprint system)

Computers in Banking, v5, n8, p58(2)

Aug, 1988

ISSN: 0742-6496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 510 LINE COUNT: 00041

... system is all software, which pulls in the new image from the fingerprint device and **compares** that **image** with the data **base image**."

The ThumbScan fingerprint system consists of two major features. First, a small fingerprint scanning device...

19/3,K/116 (Item 29 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01163607 SUPPLIER NUMBER: 00666130

Image processing may cause future problems with network loading.

Bevan, Michael J.

Data Communications, v15, n3, p199-200

March, 1986

ISSN: 0363-6399 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: large amounts of information that would normally require rekeying by a computer operator by reading **printed** paper documents automatically. This allows the **coded** representation of the document to be stored, retrieved, communicated and **printed**, and such systems have become an integral part of modern office automation schemes. The process...

19/3,K/117 (Item 30 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01086993 SUPPLIER NUMBER: 00568879

The Juki 6100 Printer.

Vose, G.M.

Byte, v9, n8, p305-307

Aug., 1984

DOCUMENT TYPE: evaluation

ISSN: 0360-5280

LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

...ABSTRACT: uses IBM Selectric typewriter ribbon cartridges, and the maximum paper width is thirteen inches. The **printer** has a standard Centronics parallel interface, an optional RS232 serial interface, and uses Diablo 630 escape **codes**. The **printer** is rated at eighteen characters per second (cps) which the benchmark at 10 pitch using a Courier 10 **print** wheel proves accurate. It operates bidirectionally at 17.96 cps and the rate decreased fourteen...

19/3,K/118 (Item 31 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01059526 SUPPLIER NUMBER: 00583623

Probing Data Banks: The Professional Touch.

O'Leary, M.

Business Computing, v2, n9, p33-36

Oct., 1984

ISSN: 0741-4641

LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

...ABSTRACT: use the Dow Jones News-Retrieval Service. Each case describes the problem, the appropriate data **base** and information **extracted**. **Photographs** of the users are included. Tips are given on how to use informational data bases...

19/3,K/119 (Item 32 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01019979 SUPPLIER NUMBER: 00526087

Evaluation of Biomed and ISTEPB, Two New Literature Databases from the Institute of Scientific Information.

Bradshaw, J.

Online Review, v7, n3, p221-226

June, 1983

ISSN: 0309-314X

LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

...ABSTRACT: many references not found in other data bases. Tables provide test results for the data **base comparisons**. A **photograph** and biography of the author are shown.

19/3,K/120 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01120633 Supplier Number: 40931179 (USE FORMAT 7 FOR FULLTEXT)

CARBORUNDUM INTRODUCES ADVANCED FERROGRAPHY SYSTEM

News Release, p1

Sept 6, 1989

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 338

... equipment analysis and diagnosis.

The heart of the system is a sophisticated, user-friendly data **base** that stores optical **images** of lubricant samples, provides on-screen **comparison** of samples and generates predictive maintenance reports.

The hardware consists of an IBM PS/2...

19/3,K/121 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01114109 Supplier Number: 40855470 (USE FORMAT 7 FOR FULLTEXT)
DATA BASE CONTROL for IMS FAST PATH
News Release, p1
July 5, 1989
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 295

... utilizes the GENJCL.IC interface when doing Analyses during Image Copy processing. Information about Data **Base** groups and **image** copy dataset names are **extracted** from DBRC.

A perpetual CPU license for Data Base Control (DBC) is \$30,000.

For...

19/3,K/122 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01014353 Supplier Number: 39626729 (USE FORMAT 7 FOR FULLTEXT)
CAMBRIDGE INSTRUMENTS' MARKETS CHIPCHECK AS AUTOMATIC WAFER INSPECTION SYSTEM
PR Newswire, pN/A
Nov 7, 1985
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 476

... is based on incident illumination, image intensifying, and software analysis. This allows the system to **compare** a singledie, mono-layer wafer resist **image** to a data- **base** generated **image**, providing assurance of a true replication of the master reticle on the final wafer.

When...

19/3,K/123 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03913817 Supplier Number: 50125437 (USE FORMAT 7 FOR FULLTEXT)

-TSSI: TSSI launches new fingerprint identification system

M2 Presswire, pN/A

July 2, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 589

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...their PIN number as usual, and then place their finger on the reader, where the **print** is **compared** to the **image** already stored in VERID's memory. VERID uses a process known as auto-correlation which...

...Note for editors VERID has been developed by TSSI, manufacturers of the secure card technology - **Watermark** Magnetics. TSSI is part of Scipher Limited, an intellectual property management company with a heritage...

...by minutiae. -- auto-correlation which considers the whole fingerprint as an entity. When two identical **prints** are overlaid in the auto-correlation process and then moved by a pre-designated amount...

19/3,K/124 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03306014 Supplier Number: 46789879 (USE FORMAT 7 FOR FULLTEXT)

NCR PARTNERING WITH AMOS TO HIKE OVERSEAS PRESENCE

Item Processing Report, v7, n20, pN/A

Oct 10, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 354

I **Compare** features components for endorsing, **image** archival, intelligent character recognition (ICR) of hand **printed** or machine **printed** fonts, mark sense, power **encoding**, check-digit verification and codeline correction.

It runs on 7731 and 7780 transports from NCR...

19/3,K/125 (Item 3 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02827280 Supplier Number: 45733240 (USE FORMAT 7 FOR FULLTEXT)

BANNERBRIDGE PLC: FARGO Introduces the FotoFUN digital colour photo printer

M2 Presswire, pN/A

August 17, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 572

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

M2 PRESSWIRE-17 August 1995-BANNERBRIDGE PLC: FARGO Introduces the FotoFUN -- A Digital Colour **Photo Printer** That Produces Output **Comparable** to a **Photo Lab** Priced at GBP 349.00 (C)1994-95 M2 COMMUNICATIONS LTD

... heavier weight postcard media for the printer that is preprinted with the appropriate address and **postage** indicators on the non-image side.

Users can print photos, with text, on the image...

19/3,K/126 (Item 4 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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02499999 Supplier Number: 45021836 (USE FORMAT 7 FOR FULLTEXT)

SPECIAL REPORT--HD'S DIGITAL CCD TELECINE

HDTV Report, v4, n20, pN/A

Sept 28, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1065

... emulsion overcoat scratches."

This process dramatically reduces the need for wet gate transfers. While the **base** scratch **image** is softened, the image dye layer is thin by **comparison** and does not lose significant MTF with the diffuse illumination.

The film is transported at...

19/3,K/127 (Item 5 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

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01993629 Supplier Number: 43578265 (USE FORMAT 7 FOR FULLTEXT)

Fingerprints And Voice Speak To EFT Security

Bank Network News, v11, n16, pN/A

Jan 12, 1993

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1235

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...to look hard at the next level of EFT security beyond personal identification numbers and **encryption**. Already ATMs in South Africa have incorporated finger **print** recognition and ATM vendors say systems using biometric identification will be available in the U...

19/3,K/128 (Item 6 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01831109 Supplier Number: 43115401 (USE FORMAT 7 FOR FULLTEXT)

Inkjet codes checked at 1800 a minute

Food Cosmetics & Drug Packaging, pN/A

July, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 192

... Technology all use a high speed processing sensor which recognizes and compares colour images or **printed** patterns. With such a high speed

capability, potential users could explore the possibility of multiple sensor heads for more than one production line, providing **coding** or pattern details are common.

COPYRIGHT 1992 by Elsevier Science Publishers Ltd.

19/3,K/129 (Item 7 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01565252 Supplier Number: 42313377 (USE FORMAT 7 FOR FULLTEXT)

FINANCE: NEWS, FUNDING, & ACQUISITIONS

Semiconductor Industry & Business Survey, v13, n10, pN/A

August 26, 1991

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 319

... was based. The CEG algorithm yields an image on a PC-compatible screen that is **comparable** in quality to the **image** produced by much more powerful and expensive workstations. It smoothly blends colors along color boundaries...

...in surface models are very gradual, lines and curves in wireform drawings are very smooth, **half - tone** images (photographs) are realistic, and text appears on-screen very much as it does on the **printed** page.

Edsun's financial troubles took off earlier this year when its foundry was unable...

19/3,K/130 (Item 8 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01314592 Supplier Number: 41517847 (USE FORMAT 7 FOR FULLTEXT)

INVOLVE INDIVIDUAL LINE MANAGERS

Item Processing Report, v1, n15, pN/A

August 30, 1990

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 427

... net savings. On the other hand, a base case analysis may give a more realistic **picture**, as it **compares base** case expenses with **image** expenses to arrive at net savings. Also, because of the complexities involved with switching to...

19/3,K/131 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

07021162 (USE FORMAT 7 OR 9 FOR FULLTEXT)

50 GREATEST B-TO-B ADS

BUSINESS MARKETING, p34

September 01, 1999

JOURNAL CODE: WCBM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 2934

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the latest advancements in a clear and engaging style.
Rank: 40 Company: Pitney-Bowes Campaign: `` **Postage** meters'' Year: 1966 Agency: DeGarmo Why: Pitney-Bowes wanted to become the Kleenex of **postage** meters, and advertising like this went a long way to establishing the company as the...

... Polaroid Campaign: ``8x10 prints'' Year: 1977 Agency: Doyle Dane Bernbach Why: This side-by-side **comparison** showed that a Polaroid **picture** was worth 1,000 words, proving to professional photographers that speed didn't diminish quality...

19/3,K/132 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03452311
Stereo blinkers (Stereo oogkleppen)
NRC HANDELSBLAD, p19
November 12, 1998
JOURNAL CODE: WNRC LANGUAGE: Dutch RECORD TYPE: ABSTRACT
WORD COUNT: 155

... look at a miniscule screen, the new Sony screen, although only the size of a **postage** stamp, gives the **impression** you are sitting in a small cinema. So, after having introduced the walkman, Sony has...

19/3,K/133 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0006038045 BOBKTCMACUFT
Commodities and Agriculture: Soviet metal flood forecast to continue
KENNETH GOODING, Mining Correspondent
Financial Times, P 34
Wednesday, November 20, 1991
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 457

...He says that, in theory, it is possible to put forward a positive longer-term **picture** for **base** metals demand in the old eastern Europe by **comparing** per capita consumption with that in the western economies.
'However, in practice it is unlikely...

19/3,K/134 (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00192774 20000214045B8245 (USE FORMAT 7 FOR FULLTEXT)
Hermes Epitek to Distribute and Service Extraction Systems' Products in Taiwan
Business Wire
Monday, February 14, 2000 07:19 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 423

...control rely solely on air
filtration and pay little attention to monitoring the process environment.
Extraction Systems' filtration and monitoring systems provide a more
complete
picture of molecular **base** concentrations at different points within the
installed base of DUV lithography equipment. This strategy offers...

19/3,K/135 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

01041531

**Like It Or Not, You've Got Mail: E-mail brings convenience--but at what
cost?**

Business Week October 10, 1999; Pg 178; Number 3649
Journal Code: BW ISSN: 0007-7135
Section Heading: Cover Story -- The Internet Age -- Society
Word Count: 1,871 *Full text available in Formats 5, 7 and 9*

BYLINE:

By JOAN O'C. HAMILTON

TEXT:

... have been different. When an e-mail gets misaddressed, it bounces right
back, sputtering indecipherable **code** .

I don't envy bad e-mails their tussles with the dread ``mailer daemon.``
But the **image** pales in **comparison** to the rich variety that real letters
conjure. For example, letters of war. A soldier...

19/3,K/136 (Item 2 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0575687

MORE BANG, LESS BUCK

Business Week THE INFORMATION REVOLUTION; Pg 152; Special 1994 Bonus Issue
Journal Code: BW ISSN: 0007-7135
Section Heading: THE COMPLEAT OFFICE
Word Count: 2,008 *Full text available in Formats 5, 7 and 9*

BYLINE:

PAUL M. ENG

TEXT:

...switch automatically between the two languages.

With more than 10 years' experience turning out laser **printers** , it's
no surprise that HP continues to dominate the market with its LaserJet 4
series, which took top prize in most of NSTL's **printer** tests. Two
versions designed for individual use, the \$1,839 LaserJet 4 and the \$1...

... out crisp pages at 600 dots per inch. That fine resolution makes them
suitable for **printing halftone images** , such as scanned **photographs** .
The **difference** : The 4P **prints** at four pages per minute, half the speed
of its big brother. If you're looking for a heavy-duty **printer** to serve
a group of users on a network, the LaserJet 4si MX is the...

19/3,K/137 (Item 3 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0388610

ACQUISITION OF BUTLER BY PAGE WOULD REPRESENT CORPORATE CULTURE CLASH
The Weekly of Business Aviation June 8, 1992; Pg 235; Vol. 54, No. 23
Journal Code: BA ISSN: 0509-9528
Word Count: 516 *Full text available in Formats 5, 7 and 9*

TEXT:

... regular basis. They also say imposition of such service fees is the antithesis of the **image** a fixed- **base** service operation needs to project.

That **difference** in philosophy was underscored in bidding this year for the contract to provide general aviation...

19/3,K/138 (Item 1 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

07069081

EAST P.A. HOPES TO ADD 32 MORE COPS PROPOSAL ALSO SEEKS HELP FROM COUNTY, NEARBY CITIES
San Jose Mercury News (SJ) - Tuesday, March 9, 1993
By: CAROLYN JUNG, Mercury News Staff Writer
Edition: Peninsula/Am Section: Local Page: 1B
Word Count: 1,015

... project, the goals include hiring a full-time city manager, beefing up the city's **code** enforcement and improving the council's public **image** .

"The **difference** now is that there is a consensus among five council members to work toward all...

19/3,K/139 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0402271 BW739

BASE TEN SYSTEMS: Base Ten Systems Inc. announces initial demonstration of its new digital image archiving technology at International Ovarian Cancer Screening Conference (ERTOCS) in Copenhagen

April 29, 1994

Byline: Business/Health Editors

...recognized pioneer in computer assisted test interpretation and a consultant to Base Ten.

In Copenhagen, **Base** Ten demonstrated its **image extraction** technology for generating a single pixel profile taken from an ultrasound generated image of a...

19/3,K/140 (Item 2 from file: 810)

DIALOG(R) File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0351722 BW671

**TRW FINGERPRINT SYS: Media invited to see high-tech fingerprint system;
demonstrations and ribbon-cutting planned**

August 18, 1993

Byline: Business, News Editors

...depth information and demonstrate how quickly a fingerprint can be
scanned into a workstation and **compared** against an existing data **base**

Photographs are permitted and B-roll will available. At 3 p.m., there
will be a...

| Set | Items | Description |
|-----|---------|---|
| S1 | 88 | AU=(YEN J? OR YEN, J?) |
| S2 | 1826466 | COMPAR? OR DIFFERENC? OR EXTRACT? |
| S3 | 991248 | PRINT? OR INDICIA? OR IMPRESS? OR IMPRINT? |
| S4 | 630543 | TOKEN? ? OR CODE? ? OR DECOD? OR CODING OR ENCRYPT? OR ENC- RIPT? OR DECRYPT? OR DECRIP? OR ENCOD? |
| S5 | 2822907 | PAY? OR INFORMATION OR INFO OR DATA |
| S6 | 17235 | WATERMARK? OR WATER()MARK? ? OR HALFTONE? ? OR HALF()TONE? |
| S7 | 3448 | POSTAGE? ? OR FRANKING? |
| S8 | 1559803 | IMAGE? ? OR PICTURE? OR PICTORIAL OR PICTORAL OR PHOTO? ? OR PHOTOGRAPH |
| S9 | 90152 | S2(10N)S8 |
| S10 | 11617 | S9 AND S3 |
| S11 | 424 | S10 AND S6 |
| S12 | 271 | S11 AND S5 |
| S13 | 3 | S1 AND S7 |
| S14 | 1 | S12 AND IC=H04L-009/00 |
| S15 | 14470 | S8(5N)BASE |
| S16 | 323 | S15(10N)S2 |
| S17 | 75 | S16 AND (S6 OR S3 OR S4 OR S7) |
| S18 | 0 | S17 AND IC=H04L-009/00 |
| S19 | 55 | (S12 OR S17) AND IC=G06K? |

? show file

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/May(Updated 040903)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200456
(c) 2004 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.

13/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015215367 **Image available**
WPI Acc No: 2003-275904/200327
XRPX Acc No: N03-219144

Bar coding method involves generating rectangular fiducial mark pattern comprising reference and background color dots which are arranged to track one or more reference locations and local deformation across graphical bar code

Patent Assignee: HEWLETT-PACKARD CO (HEWP); ATKINS C B (ATKI-I); LEVY A (LEVY-I); SAW C W (SAWC-I); SHAKED D (SHAK-I); YEN J (YENJ-I);
HEWLETT-PACKARD DEV CO LP (HEWP)

Inventor: ATKINS C B; LEVY A; SAW C W; SHAKED D; **YEN J**

Number of Countries: 101 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|----------------|------|----------|----------|
| US 20020186884 | A1 | 20021212 | US 2001877517 | A | 20010607 | 200327 B |
| WO 2002101632 | A1 | 20021219 | WO 2002US17302 | A | 20020603 | 200327 |
| EP 1399873 | A1 | 20040324 | EP 2002726962 | A | 20020603 | 200421 |
| | | | WO 2002US17302 | A | 20020603 | |
| US 6742708 | B2 | 20040601 | US 2001877517 | A | 20010607 | 200436 |
| AU 2002257358 | A1 | 20021223 | AU 2002257358 | A | 20020603 | 200452 |

Priority Applications (No Type Date): US 2001877517 A 20010607

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-----------|------|--------|----------|--------------|
|-----------|------|--------|----------|--------------|

| | | | | |
|----------------|----|----|-------------|--|
| US 20020186884 | A1 | 10 | G06K-009/18 | |
|----------------|----|----|-------------|--|

| | | | | |
|---------------|------|--|-------------|--|
| WO 2002101632 | A1 E | | G06K-007/10 | |
|---------------|------|--|-------------|--|

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

| | | | |
|------------|------|-------------|-------------------------------|
| EP 1399873 | A1 E | G06K-007/10 | Based on patent WO 2002101632 |
|------------|------|-------------|-------------------------------|

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

| | | | |
|------------|----|-------------|--|
| US 6742708 | B2 | G06K-007/10 | |
|------------|----|-------------|--|

| | | | |
|---------------|----|-------------|-------------------------------|
| AU 2002257358 | A1 | G06K-007/10 | Based on patent WO 2002101632 |
|---------------|----|-------------|-------------------------------|

Abstract (Basic): US 20020186884 A1

NOVELTY - A rectangular fiducial mark pattern comprising reference color dots and background color dots arranged in repeating pattern, is generated, which surrounds the graphical bar code produced by modulating a base image with a graphical encoding of a message. The color dots of the pattern, are arranged to track one or more reference locations and local deformation across the bar code.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for bar coding program.

USE - For providing fiducial mark patterns for graphical bar codes used in variety of applications including low information content applications e.g. automatic price tagging and inventory management, and relatively high information content applications e.g. encoding mail addresses and **postage** for automated mail reading and mail distribution systems, and encoding compressed content of a printed page

ADVANTAGE - Features fiducial mark patterns for graphical bar codes that are characterized by high detection robustness and good local deformation tracking.

DESCRIPTION OF DRAWING(S) - The figure is a flow diagram of a method of rendering base image with a graphical encoding of information and generating a fiducial mark pattern designed to track one or more reference locations and local deformation across the resulting graphical bar code.

pp; 10 DwgNo 2/6

Title Terms: BAR; CODE; METHOD; GENERATE; RECTANGLE; FIDUCIAL; MARK; PATTERN; COMPRISE; REFERENCE; BACKGROUND; COLOUR; DOT; ARRANGE; TRACK; ONE; MORE; REFERENCE; LOCATE; LOCAL; DEFORM; GRAPHICAL; BAR; CODE
Derwent Class: T01; T04; T05
International Patent Class (Main): G06K-007/10; G06K-009/18
International Patent Class (Additional): G06K-019/06
File Segment: EPI

13/5/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014634332 **Image available**
WPI Acc No: 2002-455036/200248
XRPX Acc No: N02-358826

Generating fraud resistant graphical payment indicia for e.g. franking mail pieces with postal charges in manner that provides substantial defense against fraudulent photocopy attack

Patent Assignee: HEWLETT-PACKARD CO (HEWP); LEVY A (LEVY-I); SAW C W (SAWC-I); SHAKED D (SHAK-I); YEN J (YENJ-I)

Inventor: LEVY A; SAW C W; SHAKED D; **YEN J**

Number of Countries: 099 Number of Patents: 004

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|----------------|------|----------|----------|
| WO 200245028 | A2 | 20020606 | WO 2001US45069 | A | 20011128 | 200248 B |
| US 20020103764 | A1 | 20020801 | US 2000728297 | A | 20001201 | 200253 |
| AU 200239400 | A | 20020611 | AU 200239400 | A | 20011128 | 200264 |
| EP 1417649 | A2 | 20040512 | EP 2001987159 | A | 20011128 | 200431 |
| | | | WO 2001US45069 | A | 20011128 | |

Priority Applications (No Type Date): US 2000728297 A 20001201

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200245028 A2 E 19 G07B-017/04

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020103764 A1 G06F-017/60

AU 200239400 A G07B-017/04 Based on patent WO 200245028

EP 1417649 A2 E G07B-017/04 Based on patent WO 200245028

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200245028 A2

NOVELTY - A corroborative digital token is generated from payment information (12), and a base image (22) is modulated with a graphical encoding of the corroborative digital token to produce a payment indicium (14). The payment indicium containing embedded payment information is rendered on a printing surface with a printing characteristic that degrades with photographic reproductions.

USE - For e.g. encoding mail pieces with postal charges.

ADVANTAGE - Enable users to customize the appearance of the payment indicium and to accommodate a wide variety of validation processing environments, while providing a substantial defense against fraudulent photocopy attack.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow diagram of the method.

Payment information (12)

Payment indicium (14)

Base image (22)

pp; 19 DwgNo 1/6

Title Terms: GENERATE; FRAUD; RESISTANCE; GRAPHICAL; PAY; INDICIA;

FRANKING ; MAIL; PIECE; POSTAL; CHARGE; MANNER; SUBSTANTIAL; FRAUD;

PHOTOCOPY; ATTACK

Derwent Class: T05

International Patent Class (Main): G06F-017/60; G07B-017/04

File Segment: EPI

13/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

.014240945 **Image available**

WPI Acc No: 2002-061645/200208

Related WPI Acc No: 2002-050629

XRPX Acc No: N02-045752

Bar coding method for price tag, involves modulating base image with graphically encoded signed message to generate marked image

Patent Assignee: HEWLETT-PACKARD CO (HEWP); MAGUIRE G Q (MAGU-I); SAW C W (SAWC-I); XU Y (XUYI-I); YEN J (YENJ-I)

Inventor: MAGUIRE G Q; SAW C W; **YEN J** ; YIHONG X; XU Y

Number of Countries: 099 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|----------------|------|----------|----------|
| US 20010047476 | A1 | 20011129 | US 2000579070 | A | 20000525 | 200208 B |
| | | | US 2000728292 | A | 20001201 | |
| WO 200245000 | A2 | 20020606 | WO 2001US45072 | A | 20011128 | 200238 |
| AU 200239401 | A | 20020611 | AU 200239401 | A | 20011128 | 200264 |
| EP 1340188 | A2 | 20030903 | EP 2001987160 | A | 20011128 | 200365 |
| | | | WO 2001US45072 | A | 20011128 | |
| JP 2004526225 | W | 20040826 | WO 2001US45072 | A | 20011128 | 200456 |
| | | | JP 2002547091 | A | 20011128 | |

Priority Applications (No Type Date): US 2000728292 A 20001201; US 2000579070 A 20000525

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|--|------|-----|-------------|----------------------------------|--------------|
| US 20010047476 | A1 | 11 | H04L-009/00 | CIP of application US 2000579070 | |
| WO 200245000 | A2 E | | G06K-009/00 | | |
| Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW | | | | | |
| Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW | | | | | |
| AU 200239401 | A | | G06K-009/00 | Based on patent WO 200245000 | |
| EP 1340188 | A2 E | | G06K-009/00 | Based on patent WO 200245000 | |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | | |
| JP 2004526225 | W | 34 | G06K-001/12 | Based on patent WO 200245000 | |

Abstract (Basic): US 20010047476 A1

NOVELTY - A corroborative signed message is generated from information to be encoded. A base image is modulated with graphically encoded signed message to generate a marked image.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Bar coding system;

(b) Computer program for implementing bar coding method

USE - For automatic price tag, mail address, **postage** and bank draft.

ADVANTAGE - Provides authentication to the source of information and to information also. Verifies whether information received by recipient is the actual information transmitted by sender.

DESCRIPTION OF DRAWING(S) - The figures show the diagrammatic view of information encoding system and the flow diagram of information encoding method.

pp; 11 DwgNo 1A, 1B/7

Title Terms: BAR; CODE; METHOD; PRICE; TAG; MODULATE; BASE; IMAGE;

GRAPHICAL; ENCODE; SIGN; MESSAGE; GENERATE; MARK; IMAGE

Derwent Class: T01; T04

International Patent Class (Main): G06K-001/12; G06K-009/00; H04L-009/00

International Patent Class (Additional): G06T-001/00; G06T-003/00;

H04L-009/32

File Segment: EPI

19/5/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07204471 **Image available**
DATA MEMORY ELEMENT HOLDING LABEL

PUB. NO.: 2002-072885 [JP 2002072885 A]
PUBLISHED: March 12, 2002 (20020312)
INVENTOR(s): SUZUKI KENJI
KAMIMURA TAKESHI
FUJIKI YASUTAKE
APPLICANT(s): OJI PAPER CO LTD
APPL. NO.: 2000-268488 [JP 2000268488]
FILED: September 05, 2000 (20000905)
INTL CLASS: G09F-003/00; B42D-015/10; G06K-019/077

ABSTRACT

PROBLEM TO BE SOLVED: To provide a data memory element holding label which overcomes the problems, such as the occurrence of a level **difference** by the thickness of an IC chip on a surface **base** material, the occurrence of **image printing** defects, such as **image printing** drop-out and **image printing** distortion, by the influence of this level difference in the case of **image printing** with a **printer**, and the possibility of the damage of the IC chip by the physical impact during passing of the label through the **printer**, is formed by laminating a recording sheet free of the **image printing** defects, such as **image printing** drop-out and protects the IC chip against external impact and to provide the data memory element holding label which is capable of easily updating the outdated **image printing** information.

SOLUTION: This data memory element holding label 10 is formed by having the data memory element 1 on the backside within a base 2, laminating tacky adhesive layers 3 and 5 thereon and laminating the recording sheet 4 on the surface side of the base 2.

COPYRIGHT: (C)2002,JPO

19/5/2 (Item 2 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06976314 **Image available**
IMAGE PROCESSOR, IMAGE-PROCESSING METHOD AND RECORDING MEDIUM

PUB. NO.: 2001-203885 [JP 2001203885 A]
PUBLISHED: July 27, 2001 (20010727)
INVENTOR(s): UMEDA YOSHINOBU
APPLICANT(s): CANON INC
APPL. NO.: 2000-009313 [JP 20009313]
FILED: January 18, 2000 (20000118)
INTL CLASS: H04N-001/40; G06T-007/00; G06T-001/00; G06K-009/20 ;
G07D-007/04; G07D-007/12; G09C-005/00; H04N-001/387

ABSTRACT

PROBLEM TO BE SOLVED: To provide a security discriminator which detects and discriminates the **watermark information** to the securities, such as paper money, checks and stamps that include the **printed watermark data**.

SOLUTION: This device includes an image reading means which reads the securities to be identified, a 1st identification means which identifies the securities by referring to the **image data** read by the **image**-reading means, an **information extraction** means which **extracts** the **information** added on an **image** from the **image data** read by the image-reading means, a decoding means which decodes the **information** obtained via the **information extraction** means and acquires the prescribed **data**, a 2nd identification means which identifies the securities to be identified from the **data** decoded by the decoding means and an output control means, which controls the output in accordance with the results of identification of the 1st and 2nd identification means.

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19/5/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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06621713 **Image available**

CARD ISSUING DEVICE, CARD USING DEVICE AND PERSONAL IDENTIFICATION
DEVICE/SYSTEM/METHOD

PUB. NO.: 2000-207524 [JP 2000207524 A]

PUBLISHED: July 28, 2000 (20000728)

INVENTOR(s): NAKAMURA SHUNICHI

SUZUKI HIDEKATSU

APPLICANT(s): NTT DATA CORP

APPL. NO.: 11-007568 [JP 997568]

FILED: January 14, 1999 (19990114)

INTL CLASS: G06K-019/10 ; G06F-017/60; G06F-019/00; G06K-017/00

ABSTRACT

PROBLEM TO BE SOLVED: To prevent the 'pretense' of the other person by improving the accuracy and the reliability of personal identification.

SOLUTION: At the time of using a card, an identification terminal 3 reads face picture **data printed** in the card issued by an issuing terminal 1 and buries an 'electronic **watermark**' in the face picture **data**. The identification terminal 3 photographs the face picture of a user, generates face picture **data** and buries the different 'electronic **watermark**' in the face picture **data**. The identification terminal 3 transmits face picture **data** with 'electronic **watermark**', face picture **data** with the different 'electronic **watermark**' and a password inputted by the user to a **data center 5**. The **data center 5** reads the 'electronic **watermark**' and the different 'electronic **watermark**' which are buried in face picture **data**, compares the 'electronic **watermarks**' with a content registered in customer **data** and identifies the validity of the card and whether the use is the registered person or not.

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19/5/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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06249565 **Image available**

DEVICE AND METHOD FOR RECOGNIZING CHARACTER

PUB. NO.: 11-191142 [JP 11191142 A]
PUBLISHED: July 13, 1999 (19990713)
INVENTOR(s): SAKAI YASUMASA
APPLICANT(s): CANON INC
APPL. NO.: 09-358517 [JP 97358517]
FILED: December 25, 1997 (19971225)
INTL CLASS: G06K-009/68 ; G06K-009/20

ABSTRACT

PROBLEM TO BE SOLVED: To improve the rate of recognition by performing suitable character recognizing processing for each item while recognizing the item contained in a recognition object image from its base color.

SOLUTION: First of all, one or plural partial areas are **extracted** based on the **base** color in the read slip **image** (S10 and S11), character recognizing processing to be applied to each extracted partial area is set based on each base color and it is discriminated whether each partial area is an item to describe an amount or an item to describe a destination **code** (S12). Corresponding to the items in the respective areas, either numeral limit OCR processing or alphanumerical OCR processing is selected and character recognizing processing is performed (S13-S20). Corresponding to the respective items, verification is performed to the recognized result (S15 and S16).

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19/5/5 (Item 5 from file: 347)

DIALOG(R) File 347:JAPIO
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04995138 **Image available**
PICTURE PROCESSING METHOD

PUB. NO.: 07-287738 [JP 7287738 A]
PUBLISHED: October 31, 1995 (19951031)
INVENTOR(s): KATO TAKAO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 06-080412 [JP 9480412]
FILED: April 19, 1994 (19940419)
INTL CLASS: [6] G06K-009/03
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)

ABSTRACT

PURPOSE: To detect differences between an original document and a corrected document at high reliability while reducing user's burden by inputting the picture information of the original document and that of the corrected document, storing each recognized character **code** and its character position information, finding out a difference of the character **code**, and outputting the character position information of the recognized difference.
CONSTITUTION: An original is inputted by a picture input device 2 as a picture, each character is segmented from the inputted picture, and recognized, the recognized character **code** information and its segmented character position information are correspondingly stored in a storage device 3. A corrected original is similarly processed. Then stored character **code** strings are mutually compared and a difference is extracted to find out a different part. In this case, a user is allowed to select a base picture. For instance, the increment/ decrement of a

character of the original document from the corrected document is judged from the found **difference** information as the original **picture base**, and **difference** character information judged as the addition of a character exists, the judged area is dotted as a difference area on a display device 4.

19/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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04947303 **Image available**
OPTICAL CHARACTER READER

PUB. NO.: 07-239903 [JP 7239903 A]
PUBLISHED: September 12, 1995 (19950912)
INVENTOR(s): IWATA YOSHIMASA
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 06-031142 [JP 9431142]
FILED: March 01, 1994 (19940301)
INTL CLASS: [6] **G06K-009/20** ; G06F-003/12; **G06K-009/00** ; H04N-001/387
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)
JAPIO KEYWORD:R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

ABSTRACT

PURPOSE: To make **printing** corresponding to respective **printing** positions with respect to many and unspecified form formats.

CONSTITUTION: The optical characteristic reader is provided with a photoelectric conversion section 2 scanning a form to provide an output of image data, an image analysis section 4 analyzing the image data obtained by the photoelectric conversion section 2 and **extracting** a rectangular area of the **image base** on preset rectangular area information 5, and a **print** mechanism section 6 **printing** the data on the form based on the result of analysis of the image analysis section 4.

19/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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04300599 **Image available**
RECORDER AND IMAGE PROCESSOR

PUB. NO.: 05-292299 [JP 5292299 A]
PUBLISHED: November 05, 1993 (19931105)
INVENTOR(s): TAKEBAYASHI MANABU
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 04-096463 [JP 9296463]
FILED: April 16, 1992 (19920416)
INTL CLASS: [5] H04N-001/40; B41J-002/44; G06F-015/72; **G06K-015/00**
JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 29.4 (PRECISION
INSTRUMENTS -- Business Machines); 45.3 (**INFORMATION**
PROCESSING -- Input Output Units); 45.4 (**INFORMATION**
PROCESSING -- Computer Applications)
JAPIO KEYWORD:R002 (LASERS)
JOURNAL: Section: E, Section No. 1506, Vol. 18, No. 84, Pg. 155,
February 10, 1994 (19940210)

ABSTRACT

PURPOSE: To provide an image processor to improve a problem that the boundary part of binarized pictures included in **halftone** pictures is blurredly **printed** .

CONSTITUTION: Picture **data** inputted is binarized at a binarizing circuit 5, and stored through a line memory 3 in a window memory 2. A growing direction deciding circuit 6 outputs the growing direction specifying signal of **printing** dots based on the feature of the **picture data extracted** from binary **data** stored in the window memory 2. A GSP circuit 1 forms and outputs pulse signals corresponding to the picture **data** of a picture element under consideration based on the growing direction specifying signal.

19/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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04290800 **Image available**

PRINTER INTERFACE

PUB. NO.: 05-282500 [JP 5282500 A]

PUBLISHED: October 29, 1993 (19931029)

INVENTOR(s): TANABE RITSUJI

APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 04-076512 [JP 9276512]

FILED: March 31, 1992 (19920331)

INTL CLASS: [5] **G06K-015/00** ; B41J-002/525; G09G-005/22; H04N-001/46

JAPIO CLASS: 45.3 (**INFORMATION** PROCESSING -- Input Output Units); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.7 (COMMUNICATION -- Facsimile); 44.9 (COMMUNICATION -- Other

JOURNAL: Section: P, Section No. 1688, Vol. 18, No. 74, Pg. 11, February 07, 1994 (19940207)

ABSTRACT

PURPOSE: To **print** a block character or outlined character having a black ground, etc., so that the outline is **printed** in black units and the part inside the outline and black-specified places outside the outline have gradations or pseudo gradations of three colors in addition to black when the character is developed.

CONSTITUTION: Image **data** are developed in an image memory 103 according to an indication from a computer 1, a black deciding means 104 decides whether or not there is a black pixel in the developed **image data** , and an edge **extracting** means 105 **extracts** pixels at the edge part of the developed **image data** . Then a selector 1 selects only black at the black edge part according to the decision result of the black deciding means 104 and the decision result of the edge extracting means 105 and supplies it to a color **printer** 200, but outputs **half - tones** or pseudo **half - tones** of three colors, i.e., magenta, cyan, and yellow together with the output of black at the black parts which are not the edge part.

19/5/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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04100840 **Image available**
SPECIAL IMAGE **PRINTING** PLATE AND ITS PROCESS

PUB. NO.: 05-092540 [JP 5092540 A]
PUBLISHED: April 16, 1993 (19930416)
INVENTOR(s): OKAMOTO MASARU
 OHARA CHIKAKO
APPLICANT(s): DAINIPPON PRINTING CO LTD [000289] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 03-278273 [JP 91278273]
FILED: September 30, 1991 (19910930)
INTL CLASS: [5] B41C-001/00; G03F-001/00; G03F-007/00; **G06K-009/40**
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 29.1
 (PRECISION INSTRUMENTS -- Photography & Cinematography); 45.3
 (**INFORMATION** PROCESSING -- Input Output Units
JOURNAL: Section: M, Section No. 1460, Vol. 17, No. 430, Pg. 7, August
 10, 1993 (19930810)

ABSTRACT

PURPOSE: To provide a special **image printing** plate which can **extract** ,
form and **print** a special **image** such as a recessed pattern section like
a control plate simply and quickly as a plate **image** not depending on
human hand by **extracting** only an **image** section provided with optical
density with the specified range out of original images and form a plate
image.

CONSTITUTION: A read image **data** is input into a work station for
processing. Then, an image section in the range of 0.5-0.9 optical density
to be formed into a process **image** of an inhibition plate is **extracted**
and a special **image** composed of a flower shadow section is formed. The
data of special image is output as a film in offset **half - tone** dots by
using a scanner, and then pressed by a press plate with an O/G converter
which can convert offset **half - tone** dots to gravure cells to form a
printing plate composed of a gravure plate material 6 on which a special
image 7 is formed. A foam inhibition pattern is **printed** by using the
inhibition plate.

19/5/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
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02976588 **Image available**
IMAGE GENERATING DEVICE

PUB. NO.: 01-274188 [JP 1274188 A]
PUBLISHED: November 01, 1989 (19891101)
INVENTOR(s): YORICHIKA KAZUO
APPLICANT(s): FUJII XEROX CO LTD [359761] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 63-102459 [JP 88102459]
FILED: April 27, 1988 (19880427)
INTL CLASS: [4] G09G-001/00; B41J-003/00; G06F-003/12; G06F-015/66;
 G06K-015/00 ; G09G-001/00; G03G-015/04
JAPIO CLASS: 44.9 (COMMUNICATION -- Other); 29.4 (PRECISION INSTRUMENTS --
 Business Machines); 45.3 (INFORMATION PROCESSING -- Input
 Output Units); 45.4 (INFORMATION PROCESSING -- Computer
 Applications)
JAPIO KEYWORD: R002 (LASERS); R139 (INFORMATION PROCESSING -- Word
 Processors)

JOURNAL: Section: P, Section No. 996, Vol. 14, No. 44, Pg. 31, January
26, 1990 (19900126)

ABSTRACT

PURPOSE: To prevent the throughput of **printing** from decreasing by using data for specifying an area as data for specifying overwriting, and converting the data into data by lines and outputting the data to a scanner, etc.

CONSTITUTION: A separating and **extracting** circuit 1 separates and **extracts** color **image** sheet information and **base image** information from color **image** information outputted by a host computer and an image generating circuit 2 generates character data from base image information and transfers the character data to a 1st line buffer 3. An area/line converting circuit 5, on the other hand, converts solid painting data into solid painting data by lines with the area specifying data and transfers the data to a 2nd line buffer 4. The line buffers 3 and 4 are stored with the one-line data and output them to 1st and 2nd scanners respectively. Thus, color **printing** or color overwriting is performed by using the solid painting data (color data) specified by areas. Consequently, the color image information need not be re-edited, so the throughput of the **printing** never decreases.

19/5/11 (Item 11 from file: 347)

DIALOG(R) File 347:JAPIO

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02931250 **Image available**
IMAGE FORMING APPARATUS

PUB. NO.: 01-228850 [JP 1228850 A]

PUBLISHED: September 12, 1989 (19890912)

INVENTOR(s): HAYASHI MASAYOSHI

ARAI HITOSHI

HIROOKA KAZUHIKO

APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 63-054818 [JP 8854818]

FILED: March 10, 1988 (19880310)

INTL CLASS: [4] B41J-003/00; G06F-015/68; **G06K-015/12** ; H04N-001/40

JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.7
(COMMUNICATION -- Facsimile); 45.3 (**INFORMATION** PROCESSING
-- Input Output Units); 45.4 (**INFORMATION** PROCESSING --
Computer Applications)

JAPIO KEYWORD: R002 (LASERS); R131 (**INFORMATION** PROCESSING --
Microcomputers & Microprocessors)

JOURNAL: Section: M, Section No. 904, Vol. 13, No. 555, Pg. 67,
December 11, 1989 (19891211)

ABSTRACT

PURPOSE: To always obtain a stable output image having high quality by converting characteristic **information** at least once for each (n) sub-scanning lines to convert the gradation of **image data**, converting a density signal responsive to its density, **comparing** it with a predetermined pattern signal having a period of (m) times as large as the density signal, and outputting a binary signal responsive to the density signal.

CONSTITUTION: An optical image condensed on a CCD sensor 87 is converted to electric signals C, G, Y, converted by a signal processing block 88 to digital video **data**, the input video **data** are used as they are or

converted to **halftone** dots to combine the part with a font pattern in a **printer** 2000, and density= pulse width (PWM)-modulated. This PWM-modulated binary signal drives a laser beam to dot-expose the video **data** on the surface of a photosensitive drum 2900. The image **data** for (m) pixels are PWM-converted by a pattern signal having a period of (m) times as large as the period of its pixel. A plurality of types of gradation conversion tables are provided in a sub-scanning direction, and the tables are used by converting it in a predetermined sequence.

19/5/12 (Item 12 from file: 347)

DIALOG(R)File 347:JAPIO

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01985279 **Image available**

PICTURE ELEMENT CORRECTING METHOD

PUB. NO.: 61-199379 [JP 61199379 A]

PUBLISHED: September 03, 1986 (19860903)

INVENTOR(s): MATSUZAKI JUN

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 60-038740 [JP 8538740]

FILED: March 01, 1985 (19850301)

INTL CLASS: [4] H04N-001/40; **G06K-015/12** ; G09G-001/00

JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 44.9 (COMMUNICATION -- Other); 45.3 (**INFORMATION** PROCESSING -- Input Output Units

JAPIO KEYWORD:R002 (LASERS)

JOURNAL: Section: E, Section No. 475, Vol. 11, No. 31, Pg. 123, January 29, 1987 (19870129)

ABSTRACT

PURPOSE: To improve the **printing** quality in **printing halftone** -processing image without relying on a software processing by adding a simple circuitry and thereby generating a piece of black **data** to be two successive black **data** and correcting said **data** in case black **data** of only one dot which is sandwiched by white **data** in picture element **data** .

CONSTITUTION: A black **data**0 generating means is provided when black **data** of only one dot which is sandwiched by successive white **data** in picture element **data** , a piece of black **data** is generated to be two successive black **data** by the black **data** generating means, and said **data** are corrected to be transmitted. An AND circuit 11 and an OR circuit 12, for instance, are added between a shift register 2 and an interface drive 3. The AND circuit 11 at all time **compares** the **picture data** under serial transmission. And if white **data** is exists successively to black **data** of only one dot, the AND condition is satisfied, therefore, a piece of another black **data** is generated in front of the existing black **data** to be two successive black **data** , said **data** corrected to be transmitted. If the condition is not satisfied, black or white **data** are transmitted as they are by means of the OR circuit 12.

19/5/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

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01805181 **Image available**

METHOD FOR IDENTIFYING **HALF TONE** PICTURE

PUB. NO.: 61-019281 [JP 61019281 A]
PUBLISHED: January 28, 1986 (19860128)
INVENTOR(s): SHIMOTOONO SUSUMU
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 59-139656 [JP 84139656]
FILED: July 05, 1984 (19840705)
INTL CLASS: [4] H04N-001/40; **G06K-009/38**
JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 45.3 (**INFORMATION**
PROCESSING -- Input Output Units
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD &
BBD)
JOURNAL: Section: E, Section No. 411, Vol. 10, No. 168, Pg. 141, June
14, 1986 (19860614)

ABSTRACT

PURPOSE: To attain **half tone picture** identification in real time by **comparing** a density of a minute area comprising one **picture** with a density of a minute area in the vicinity comprising a **picture** element of the same number and detecting that the **difference** is a specific value or below and its sum is within a specific range.

CONSTITUTION: When a transmission original is set to a prescribed position in a scanner, a main scanning trigger of a CCD image sensor is incoming from a control system to start the read of a picture on an original plane. When the CCD image sensor reads a picture for one line's share, the control system **impresses** a sub-scanning trigger to a pulse motor control circuit to forward the original and the main scanning trigger is generated again after subscanning, and then the next line is subject to main scanning. In this case, the density of the minute area constituted by one picture element and the density of another minute area comprising a picture element of the same number as that of the minute area in the vicinity are compared, and when the difference is a specific value or below and its sum is within a specific range, the minute areas and areas including areas among the areas are identified as intermediate areas.

19/5/14 (Item 14 from file: 347)

DIALOG(R) File 347:JAPIO
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01275550 **Image available**

PRINT CONTROL DEVICE FOR DOT MATRIX PRINTER

PUB. NO.: 58-212950 [JP 58212950 A]
PUBLISHED: December 10, 1983 (19831210)
INVENTOR(s): KOIKE TAKANAO
ITO TADASHI
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 57-097456 [JP 8297456]
FILED: June 07, 1982 (19820607)
INTL CLASS: [3] B41J-003/00; B41J-003/04; B41J-003/10; **G06K-015/10**
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.3 (**INFORMATION** PROCESSING -- Input Output Units
JAPIO KEYWORD: R002 (LASERS); R105 (**INFORMATION** PROCESSING -- Ink Jet **Printers**); R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED); R139 (**INFORMATION** PROCESSING -- Word Processors
JOURNAL: Section: M, Section No. 284, Vol. 08, No. 61, Pg. 167, March

23, 1984 (19840323)

ABSTRACT

PURPOSE: To provide the titled device capable of reproducing the **halftone** of a color or intermediate tints faithfully without degrading the degree of resolution by such an arrangement wherein the output of a color composition designation circuit is compared with that of a detection and operation circuit which detects the color of an image element, and the color of a dot for a desired **image** element is determined in response to the resultant output of **comparison** and **printing** is controlled by the determined color.

CONSTITUTION: When a point of A(x,y) is to be **printed**, surrounding points of A(x,y-1), A(x-1,y+1), A(x-1,y) and A(x-1,y-1) that have already been **printed** are reviewed, and the density of each surrounding color is calculated by assuming that the weight of each position is .alpha.(sub 1), .alpha.(sub 2), .alpha.(sub 3) and .alpha.(sub 4) respectively. The output of an arithmetic circuit 10 which obtains the weight of each color such as f(sub ()Y(sub)), f(sub ()M(sub)) and f(sub ()C(sub)) and that of similar arithmetic circuit 20, 21, 22 are given to a controller 23 as input, and based on f(sub ()Y(sub)), f(sub ()M(sub)), f(sub ()C(sub)) and color **information**, **print information** 24, the controller 23 decides that which one of Y, M, C, or BK should be **printed**.

19/5/15 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016135978 **Image available**

WPI Acc No: 2004-293854/200427

XRPX Acc No: N04-233385

Identification card e.g. employee identification card, has embedded image obtained, by assuming watermark image with information, as image located in frequency domain where transformed image is added to photographic image

Patent Assignee: KOWA CO LTD (KOWA)

Inventor: EGAWA Y; ONO T

Number of Countries: 035 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040050931 | A1 | 20040318 | US 2002316975 | A | 20021210 | 200427 B |
| EP 1400371 | A1 | 20040324 | EP 2003100298 | A | 20030212 | 200427 |
| JP 2004112223 | A | 20040408 | JP 2002270561 | A | 20020917 | 200427 |
| CN 1484196 | A | 20040324 | CN 2003101403 | A | 20030107 | 200437 |
| KR 2004025511 | A | 20040324 | KR 200282073 | A | 20021221 | 200446 |

Priority Applications (No Type Date): JP 2002270561 A 20020917

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
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| US 20040050931 | A1 | | 30 | G06K-005/00 | |
|----------------|----|--|----|-------------|--|

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| EP 1400371 | A1 | E | | B42D-015/10 | |
|------------|----|---|--|-------------|--|

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB

GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

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|---------------|---|--|----|--------------|--|
| JP 2004112223 | A | | 24 | H04N-001/387 | |
|---------------|---|--|----|--------------|--|

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|------------|---|--|--|--------------|--|
| CN 1484196 | A | | | G06K-019/067 | |
|------------|---|--|--|--------------|--|

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|---------------|---|--|--|-------------|--|
| KR 2004025511 | A | | | G06K-019/10 | |
|---------------|---|--|--|-------------|--|

Abstract (Basic): US 20040050931 A1

NOVELTY - The card has an embedded image with identification (ID) **information** where the image is obtained by assuming a **watermark**

image with the **information** as an image located in a certain frequency domain. The **watermark** image subjected to an inverse transform from the frequency domain is made to generate a transformed image. The transformed image is added to a photographic image (72) that represents part or whole of the person.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) an identification card issuing device
- (b) an identification card reading device
- (c) an identification card issuing method
- (d) a method of reading **information** recorded in an identification card
- (e) a computer readable recording medium with a computer program for issuing an identification card is recorded.

USE - Used as an employee identification card, drivers license, passport and credit card.

ADVANTAGE - The card ensures easy detection of any illegal alteration of the identification card e.g. falsification of a photographic image. The ID **information** of the ID card holder can be checked without **extraction** of the ID **information** from the photographic **image**.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram depicting construction of an identification card issuing device.

Display unit (40)

Display unit (42)

Printer (44)

Adder (60)

Photographic image (72)

pp; 30 DwgNo 2/26

Title Terms: IDENTIFY; CARD; EMPLOY; IDENTIFY; CARD; EMBED; IMAGE; OBTAIN; ASSUME; **WATERMARK** ; IMAGE; **INFORMATION** ; IMAGE; LOCATE; FREQUENCY; DOMAIN; TRANSFORM; IMAGE; ADD; PHOTOGRAPH; IMAGE

Derwent Class: T01; T04; T05

International Patent Class (Main): B42D-015/10; **G06K-005/00** ;

G06K-019/067 ; **G06K-019/10** ; H04N-001/387

International Patent Class (Additional): **G06K-007/00** ; **G06K-017/00** ;

G09C-005/00; H04L-009/32

File Segment: EPI

19/5/16 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016123681 **Image available**

WPI Acc No: 2004-281557/200426

XRPX Acc No: N04-223205

Genuineness management method, involves recognizing value among coordinate and pixel color values for embedding recognized value as code of digital watermark into either pixel or pixel set, and outputting electronic document

Patent Assignee: HITACHI LTD (HITA)

Inventor: INOMATA H; MATSUKI T; NOYAMA H; YOSHIURA H

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040052400 | A1 | 20040318 | US 2003378113 | A | 20030228 | 200426 B |
| JP 2004109172 | A | 20040408 | JP 2002268080 | A | 20020913 | 200426 |

Priority Applications (No Type Date): JP 2002268080 A 20020913

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040052400 A1 29 G06K-009/00

JP 2004109172 A 21 G09C-001/00

Abstract (Basic): US 20040052400 A1

NOVELTY - The method involves recognizing **image data** contained in an electronic document. An **extraction** condition of a previously determined **image** feature, is applied. A value is recognized among coordinate and pixel color values for embedding recognized value as a code of a digital **watermark** into either the pixel or a pixel set. An electronic document is outputted, to which the embedding process operation is carried out to the medium.

DETAILED DESCRIPTION - The **extraction** condition is applied to recognize **image data** to calculate a coordinate set corresponding to pixels. INDEPENDENT CLAIMS are also included for the following:

(a) a genuiness management system

(b) a storage medium for storing a program which causes a computer to execute a method of managing genuine characteristics.

USE - Used for managing genuine characteristics of both an electronic document and a **print** medium.

ADVANTAGE - The method efficiently guarantees genuine characteristics of both an electronic document and a **print** medium.

DESCRIPTION OF DRAWING(S) - The drawing shows conceptional sequential operation example of an electronic application procedure.

Computer (10)

pp; 29 DwgNo 2/21

Title Terms: GENUINE; MANAGEMENT; METHOD; RECOGNISE; VALUE; COORDINATE; PIXEL; COLOUR; VALUE; EMBED; RECOGNISE; VALUE; CODE; DIGITAL; **WATERMARK**; PIXEL; PIXEL; SET; OUTPUT; ELECTRONIC; DOCUMENT

Derwent Class: P85; T01; T04

International Patent Class (Main): **G06K-009/00** ; G09C-001/00

International Patent Class (Additional): G06F-017/21; G06T-001/00;

G09C-005/00; H04L-009/32; H04N-001/387

File Segment: EPI; EngPI

19/5/17 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015993762 **Image available**

WPI Acc No: 2004-151612/200415

XRPX Acc No: N04-121127

Electrophotographic printer e.g. thermal printer superimposes noise output by noise matrix on threshold values or image data output, and modulates driving-pulse width data to generate driving-pulse signal

Patent Assignee: SEIKO EPSON CORP (SHIH); FUJITA T (FUJI-I)

Inventor: FUJITA T

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| JP 2004042325 | A | 20040212 | JP 2002200329 | A | 20020709 | 200415 B |
| US 20040061903 | A1 | 20040401 | US 2003616454 | A | 20030709 | 200425 |

Priority Applications (No Type Date): JP 2002200329 A 20020709

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2004042325 A 15 B41J-002/44

US 20040061903 A1 H04N-001/405

Abstract (Basic): JP 2004042325 A

NOVELTY - A **half - tone** processor (26) generates driving-pulse width **data** , based on the **comparison** of threshold values or **image data** output from a threshold-value matrix (42). The noise output by a noise matrix (40), is superimposed on the threshold values or image **data** . A driving-pulse signal is generated, by modulating the driving-pulse width **data** .

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for image processor.

USE - Electrophotographic **printer** e.g. thermal **printer** , thermal-transfer **printer** , laser beam **printer** .

ADVANTAGE - Since the driving-pulse width **data** is modulated using simple circuit, the cost of the **printer** is reduced. Since the noise is superimposed on the threshold values or image **data** , the tone jump suppression is ensured.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **half - tone** processing circuit of the **printer** . (Drawing includes non-English language text).

half - tone processor (26)
noise matrix (40)
threshold-value matrix (42)
adders (44-1 - 44-7)
converter (47)
pp; 15 DwgNo 2/10

Title Terms: ELECTROPHOTOGRAPHIC; **PRINT** ; THERMAL; **PRINT** ; SUPERIMPOSED; NOISE; OUTPUT; NOISE; MATRIX; THRESHOLD; VALUE; IMAGE; **DATA** ; OUTPUT; MODULATE; DRIVE; PULSE; WIDTH; **DATA** ; GENERATE; DRIVE; PULSE; SIGNAL

Derwent Class: P75; S06; T01; T04; W02

International Patent Class (Main): B41J-002/44; H04N-001/405

International Patent Class (Additional): **G06K-015/00** ; G06T-005/00; H04N-001/036

File Segment: EPI; EngPI

19/5/18 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015715760 **Image available**

WPI Acc No: 2003-777960/200373

XRPX Acc No: N03-623461

Image color fidelity enhancing method involves decoding color information in digital watermark of original image and performing color correction in scanned image using correction table

Patent Assignee: XEROX CORP (XERO)

Inventor: CHENG H; FAN Z; WANG S

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|--------------|------|----------|----------|
| US 20030156753 | A1 | 20030821 | US 200282535 | A | 20020221 | 200373 B |
| JP 2003283805 | A | 20031003 | JP 200335888 | A | 20030214 | 200374 |

Priority Applications (No Type Date): US 200282535 A 20020221

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030156753 A1 9 G06K-009/00

JP 2003283805 A 6 H04N-001/387

Abstract (Basic): US 20030156753 A1

NOVELTY - An original image containing digital **watermark** which

includes color **information** , is scanned and the color **information** is decoded. The decoded color **information** and scanned **image** are **compared** , and based on its **difference** a correction table is generated for performing color correction in the scanned image.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method for extracting color **information** .

USE - For enhancing color fidelity in multi-generation reproduction systems using **watermarking** technology.

ADVANTAGE - Significantly enhances color fidelity of images of **printed** documents. Confines the color error to one generation, even when hard copies go through multiple generation reproduction. Improves the fidelity of both color and black and white hard copies.

DESCRIPTION OF DRAWING(S) - The figure shows a block flow diagram explaining the color fidelity enhancing method of multi-reproduction.

pp; 9 DwgNo 1/5

Title Terms: IMAGE; COLOUR; FIDELITY; ENHANCE; METHOD; DECODE; COLOUR; **INFORMATION** ; DIGITAL; **WATERMARK** ; ORIGINAL; IMAGE; PERFORMANCE; COLOUR; CORRECT; SCAN; IMAGE; CORRECT; TABLE

Derwent Class: S06; T01; T04

International Patent Class (Main): G06K-009/00 ; H04N-001/387

International Patent Class (Additional): H04N-001/46; H04N-001/60

File Segment: EPI

19/5/19 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015715753 **Image available**

WPI Acc No: 2003-777953/200373

XRPX Acc No: N03-623454

Print **object authentication system e.g. for coupons tickets**, extracts **message symbols in scanned image using digital watermark encoder**, based on which **information based parameters are determined to classify image**

Patent Assignee: DIGIMARC CORP (DIGI-N); PITNEY BOWES INC (PITB)

Inventor: BROSSEAU W A; BRUNK H L; CORDERY R A; DECKER S K; KILMARTIN W; MACKAY D G; TIAN J; ZELLER C

Number of Countries: 100 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20030156733 | A1 | 20030821 | US 200277354 | A | 20020215 | 200373 B |
| WO 200371481 | A2 | 20030828 | WO 2003US4724 | A | 20030214 | 200373 |
| AU 2003213094 | A1 | 20030909 | AU 2003213094 | A | 20030214 | 200427 |

Priority Applications (No Type Date): US 200277354 A 20020215

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|----------------|----|--|----|-------------|--|
| US 20030156733 | A1 | | 23 | G06K-009/00 | |
|----------------|----|--|----|-------------|--|

| | | | | | |
|--------------|----|---|--|-------------|--|
| WO 200371481 | A2 | E | | G06T-000/00 | |
|--------------|----|---|--|-------------|--|

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003213094 A1 G06K-009/00 Based on patent WO 200371481

Abstract (Basic): US 20030156733 A1

NOVELTY - A **print** quality processor (112) estimates the **print** quality parameters of an object image obtained from scanner. The message symbols in the scanned **image** are **extracted** by a digital **watermark** decoder (114). The **information** based parameters are determined using the accuracy of symbols. The scanned images are classified as original or copy, by a classifier (116), based on the determined parameters.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) auxiliary **information** embedding method;
- (2) **printed** object;
- (3) **printed** object authentication method; and
- (4) computer readable medium storing authenticating instructions.

USE - For authenticating **print** objects (claimed) e.g. coupons, tickets, digital postal marks, gift certificates, originals during **printing** and copying. Also, for authenticating various products and packages in counterfeit prevention system.

ADVANTAGE - Detects the copies of originals precisely by providing additional parameters for originality detection. Supports automatic document authentication through readability related parameters, thereby high security is achieved at low cost.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic block diagram of **printed** object creation and authentication system.

original image (100)

watermark (102)

printer (104)

processor (112)

decoder (114)

classifier (116)

pp; 23 DwgNo 1/7

Title Terms: **PRINT** ; OBJECT; AUTHENTICITY; SYSTEM; COUPON; TICKET; EXTRACT ; MESSAGE; SYMBOL; SCAN; IMAGE; DIGITAL; **WATERMARK** ; ENCODE; BASED;

INFORMATION ; BASED; PARAMETER; DETERMINE; CLASSIFY; IMAGE

Derwent Class: S06; T01; T04; T05

International Patent Class (Main): G06K-009/00 ; G06T-000/00

International Patent Class (Additional): G06K-009/46 ; G06T-007/00

File Segment: EPI

19/5/20 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015378440 **Image available**

WPI Acc No: 2003-439378/200341

XRPX Acc No: N03-350582

Image processing apparatus e.g. printer has transformation unit to transform document identification information based on predetermined transformation algorithm, and embed obtained data as digital watermark into original image

Patent Assignee: CANON KK (CANO)

Inventor: KANEDA K

Number of Countries: 033 Number of Patents: 004

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20030044043 | A1 | 20030306 | US 2002232510 | A | 20020903 | 200341 B |
| EP 1291819 | A2 | 20030312 | EP 2002256077 | A | 20020902 | 200341 |
| JP 2003152989 | A | 20030523 | JP 2002230326 | A | 20020807 | 200343 |
| CN 1404014 | A | 20030319 | CN 2002142195 | A | 20020830 | 200344 |

Priority Applications (No Type Date): JP 2002230326 A 20020807; JP
2001266435 A 20010903

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|--|------|-----|----|--------------|--------------|
| US 20030044043 | A1 | | 13 | G06K-009/00 | |
| EP 1291819 | A2 | E | | G06T-001/00 | |
| Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR | | | | | |
| JP 2003152989 | A | | 8 | H04N-001/387 | |
| CN 1404014 | A | | | G06T-001/00 | |

Abstract (Basic): US 20030044043 A1

NOVELTY - An **extraction** unit **extracts** document identification **information** from an original **image**. A transformation unit transforms the **extracted information** based on a predetermined transformation algorithm that generates a unique transformation result from the **information**. **Data** obtained by the transformation unit is embedded as a digital **watermark** into the original image.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) image processing method;
- (2) image processing program; and
- (3) storage medium storing image processing program.

USE - Image processing apparatus e.g. **printer**, copier, scanner, for embedding digital **watermark** into original image.

ADVANTAGE - Enables a large amount of document and symbol string identification **information** to be embedded reliably as an invisible digital **watermark** into an image.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the basic configuration of a digital **watermark** embedding device.
pp; 13 DwgNo 1/6

Title Terms: IMAGE; PROCESS; APPARATUS; **PRINT**; TRANSFORM; UNIT; TRANSFORM
; DOCUMENT; IDENTIFY; **INFORMATION**; BASED; PREDETERMINED; TRANSFORM;
ALGORITHM; EMBED; OBTAIN; **DATA**; DIGITAL; **WATERMARK**; ORIGINAL; IMAGE

Derwent Class: S06; T01; T04

International Patent Class (Main): **G06K-009/00**; G06T-001/00; H04N-001/387

International Patent Class (Additional): **G06K-009/62**; **G06K-009/72**;
G09C-005/00

File Segment: EPI

19/5/21 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015105856 **Image available**

WPI Acc No: 2003-166373/200316

Related WPI Acc No: 2003-447344; 2004-363605

XRPX Acc No: N03-131442

Information **embedding method for detecting duplicate of postal indicia**, involves comparing **signal strength of original image with that of printed image to determine whether printed image is copy of original image**

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: BROSSEAU W A; CORDERY R A; EUCHNER J; KILMARTIN W; MACKAY D G;
ZELLER C; MACKAY D

Number of Countries: 097 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-----------|------|------|-------------|------|------|------|
|-----------|------|------|-------------|------|------|------|

US 20020176114 A1 20021128 US 2001283565 P 20010413 200316 B
US 200287314 A 20020301
WO 200381432 A1 20031002 WO 2002US12677 A 20020411 200375
AU 2002307474 A1 20031008 AU 2002307474 A 20020411 200432

Priority Applications (No Type Date): US 2001283565 P 20010413; US
200287314 A 20020301

Patent Details:

| Patent No | Kind | Lang | Pg | Main IPC | Filing Notes |
|----------------|------|------|----|-------------|---------------------------------------|
| US 20020176114 | A1 | | 7 | G06K-009/00 | Provisional application US 2001283565 |

WO 200381432 A1 E G06F-011/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 2002307474 A1 G06F-011/30 Based on patent WO 200381432

Abstract (Basic): US 20020176114 A1

NOVELTY - Digital **information** is embedded in an image such as postal **indicia** and the **image** is **printed**. The signal strength of the **printed image** is **compared** with the signal strength of the original **image**, to determine whether the **printed image** is a copy of the original image.

USE - For embedding **information** such as **watermark** in postal **indicia** for detecting copy or duplicate of postal **indicia** and ticket.

ADVANTAGE - Allows an inspector to conduct an analysis of the image with a simple set of tools, without the need to check a remote database. Reduces production of fraudulent images.

DESCRIPTION OF DRAWING(S) - The figure shows a fragile **watermark** embedded in an image.

pp; 7 DwgNo 1A/3

Title Terms: **INFORMATION**; EMBED; METHOD; DETECT; DUPLICATE; POSTAL;
INDICIA; COMPARE; SIGNAL; STRENGTH; ORIGINAL; IMAGE; **PRINT**; IMAGE;
DETERMINE; **PRINT**; IMAGE; COPY; ORIGINAL; IMAGE

Derwent Class: S06; T01; T05

International Patent Class (Main): G06F-011/30; G06K-009/00

File Segment: EPI

19/5/22 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015060388 **Image available**

WPI Acc No: 2003-120904/200311

Related WPI Acc No: 2003-167304; 2003-330402; 2003-416635; 2004-375399;
2004-440528; 2004-532670

XRAM Acc No: C03-031455

XRPX Acc No: N03-096205

Mark label for optical recording medium, is made of material to detach when exposed to specific excitation source so that digitally watermarked image in label is transferred to coating on article

Patent Assignee: SPECTRA SYSTEMS CORP (SPEC-N)

Inventor: CONROY J L; LAWANDY N M; SMUK A Y

Number of Countries: 100 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|----------------|------|----------|----------|
| WO 200298670 | A2 | 20021212 | WO 2002US17868 | A | 20020606 | 200311 B |
| EP 1412915 | A2 | 20040428 | EP 2002776583 | A | 20020606 | 200429 |
| | | | WO 2002US17868 | A | 20020606 | |
| AU 2002346244 | A1 | 20021216 | AU 2002346244 | A | 20020606 | 200452 |

Priority Applications (No Type Date): US 2001311160 P 20010809; US 2001296308 P 20010606; US 2001310914 P 20010808

Patent Details:

| Patent No | Kind | Lan Pg. | Main IPC | Filing Notes |
|---|------|---------|-------------|------------------------------|
| WO 200298670 | A2 | E 36 | B41M-000/00 | |
| Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW | | | | |
| Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW | | | | |
| EP 1412915 | A2 | E | G06K-019/06 | Based on patent WO 200298670 |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | |
| AU 2002346244 | A1 | | B41M-000/00 | Based on patent WO 200298670 |

Abstract (Basic): WO 200298670 A2

NOVELTY - The label has two digitally **watermarked** images (432) which are normally visible and invisible, respectively. The label is made of material that detaches when exposed to specific excitation source, so that the image from the label so that the image from the label is provided on a coating (450) of the article (420).

DETAILED DESCRIPTION - The water marked image includes **data** code symbology comprising bar code, graphic, text, decryption key and alphanumeric characters. The coating comprises polymeric material, monomeric material, metal chelate, organic phosphor, inorganic phosphor, fluorescent dye and laser dye. INDEPENDENT CLAIMS are included for the following:

- (1) Article which has overlapped one visible and one invisible digitally **watermarked** images with **information** for authentication facility;
- (2) Mark formation method which involves exposing the article to UV rays for applying digitally **watermarked** image on label to coating on the article. The coating is applied by **printing**, spraying, rolling, silk screening and painting process; and
- (3) Mark formation examining method which involves detecting the presence of digitally **watermarked** image using partial absorption of UV light. The detected mark is **compared** with predetermined authentication **information** of article correspondingly decoding at least one digital **watermark** for accessing **information** contained in the article. The excitation source for the **watermark** are source of chemical agent, source of thermal energy, source of pressure and humidity, UV light, visible light and infrared light.

USE - Used for optical recording medium such as CD, DVD, CD-ROM, also for documents currency, credit cards, passports, etc.

ADVANTAGE - The combination of the coating material on the article is used to control the appearance of the image and **water mark**. The coating is processed to directly exhibit marking by directly writing with laser or any other suitable laser writing technique.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of optical recording medium with digital **water mark**.

Article (420)

Digitally water marked images (432)

Coating (450)
pp; 36 DwgNo 1/11
Title Terms: MARK; LABEL; OPTICAL; RECORD; MEDIUM; MADE; MATERIAL; DETACH;
EXPOSE; SPECIFIC; EXCITATION; SOURCE; SO; DIGITAL; **WATERMARK** ; IMAGE;
LABEL; TRANSFER; COATING; ARTICLE
Derwent Class: G05; G06; P75; T01; T03; T04; T05; W01
International Patent Class (Main): B41M-000/00; **G06K-019/06**
International Patent Class (Additional): G06C-021/00; **G06K-007/10**
File Segment: CPI; EPI; EngPI

19/5/23 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014789953 **Image available**
WPI Acc No: 2002-610659/200266
XRPX Acc No: N02-483626

**Compressing a digital image using multiple subsampling quality scales
progressively with a higher quality scale containing only data
incremental to data in an adjacent lower quality scale**

Patent Assignee: BOLY MEDIA COMMUNICATIONS INC (BOLY-N); XIAOPING H
(XIAO-I); HU X (HUXX-I)

Inventor: HU X; XIAOPING H

Number of Countries: 030 Number of Patents: 007

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| EP 1235185 | A2 | 20020828 | EP 2002251038 | A | 20020215 | 200266 B |
| CA 2372514 | A1 | 20020821 | CA 2372514 | A | 20020218 | 200268 |
| US 20020172418 | A1 | 20021121 | US 2001792668 | A | 20010221 | 200279 |
| | | | US 2001860109 | A | 20010516 | |
| JP 2002335542 | A | 20021122 | JP 200245193 | A | 20020221 | 200307 |
| CN 1374789 | A | 20021016 | CN 2002104793 | A | 20020220 | 200311 |
| US 20030053702 | A1 | 20030320 | US 2001792668 | A | 20010221 | 200323 |
| US 6757429 | B2 | 20040629 | US 2001792668 | A | 20010221 | 200443 |

Priority Applications (No Type Date): US 2001860109 A 20010516; US
2001792668 A 20010221

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|--|------|-----|----|-------------|----------------------------------|
| EP 1235185 | A2 | E | 27 | G06T-009/00 | |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | | |
| CA 2372514 | A1 | E | | H03M-007/30 | |
| US 20020172418 | A1 | | | G06K-009/00 | CIP of application US 2001792668 |
| JP 2002335542 | A | | 27 | H04N-011/04 | |
| CN 1374789 | A | | | H04N-001/41 | |
| US 20030053702 | A1 | | | G06K-009/36 | |
| US 6757429 | B2 | | | G06K-009/00 | |

Abstract (Basic): EP 1235185 A2

NOVELTY - Images are represented in a series of quality scales of progressively decreasing quality in which quality is decreased by decreasing the number of stored color components or the number of pixels. The image is represented in terms of quality scales based on a **base** quality scale **image** and differential **images**. The differential image at a given quality scale is the **difference** between the image at the given quality scale and a representation of the image scaled up from a reconstructed representation at the adjacent lower quality scale. The reconstructed representation is determined by transforming the image into a set of coefficients associated with known functions,

quantizing the coefficients, dequantizing and performing the reverse transformation. The base quality scale image and differential images are represented as integer values by a process in which the coefficients are transformed and quantized. The resulting quantized values corresponding to the lowest quality scale and the differential images are **encoded** by a lossless ordered statistics **encoding** process to produce an output bitstream representing a compressed image.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

- (a) a method of reconstructing a compressed digital image
- (b) a sequence of subsampling representations of decreasing length for compressing a digital representation of an image
- (c) a context prediction method for forming probability tables for use in an entropy **encoding** process in compressing an image by determining separate contexts for each color component
- (d) and an apparatus providing program instructions for compressing a digital representation of an image

USE - Digital image compression.

ADVANTAGE - Provides a more efficient compression together with color correlation in context prediction and compression in color spaces other than YUV space.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart of the process.

pp; 27 DwgNo 1/3

Title Terms: COMPRESS; DIGITAL; IMAGE; MULTIPLE; QUALITY; SCALE; PROGRESS; HIGH; QUALITY; SCALE; CONTAIN; DATA; INCREMENT; DATA; ADJACENT; LOWER; QUALITY; SCALE

Derwent Class: T01

International Patent Class (Main): G06K-009/00 ; G06K-009/36 ; G06T-009/00; H03M-007/30; H04N-001/41; H04N-011/04

International Patent Class (Additional): G06K-009/46 ; H04N-005/917; H04N-007/26

File Segment: EPI

19/5/24 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014592431 **Image available**

WPI Acc No: 2002-413135/200244

Related WPI Acc No: 2002-507306

XRPX Acc No: N02-324618

Image data halftoning method for color laser beam printer , involves determining halftone output value of target pixel by comparing selected halftoning threshold and image data of target pixel

Patent Assignee: CANON KK (CANO)

Inventor: OSTROMOUKHOV V

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 6356362 | B1 | 20020312 | US 98184551 | A | 19981102 | 200244 B |

Priority Applications (No Type Date): US 98184551 A 19981102

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| US 6356362 | B1 | | 21 | G06K-009/36 | |

Abstract (Basic): US 6356362 B1

NOVELTY - A halftoning threshold for a target pixel is selected based on the presence of HF spatial characteristics of the target

pixel, or based on the intensity of the image **data** when HF spatial characteristics are absent. A **halftone** output value of the target pixel is determined by **comparing** the selected halftoning threshold and the **image data** of target pixel, and the error between **halftone** output value and image **data** is compensated.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Apparatus for halftoning image **data** ;
- (b) Computer executable process for halftoning image **data**

USE - For halftoning the image **data** in color laser beam **printer** or color thermal wax **printers** .

ADVANTAGE - The performance of the **printer** is improved by adjusting the amount of noise introduced into the thresholding and error diffusion process based on the amount of high frequency spatial characteristics of the input image **data** .

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram explaining the interaction of the computer with the monitor and **printer** .

pp; 21 DwgNo 5/12

Title Terms: IMAGE; **DATA** ; METHOD; COLOUR; LASER; BEAM; **PRINT** ; DETERMINE ; **HALFTONE** ; OUTPUT; VALUE; TARGET; PIXEL; COMPARE; SELECT; THRESHOLD; IMAGE; **DATA** ; TARGET; PIXEL

Derwent Class: T01; T04

International Patent Class (Main): G06K-009/36

File Segment: EPI

19/5/25 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014581331 **Image available**

WPI Acc No: 2002-402035/200243

XRPX Acc No: N02-315182

Image reproduction method in inkjet printer , involves forming halftone dots having rendered pixels with background density and density greater than that of background density

Patent Assignee: EASTMAN KODAK CO (EAST)

Inventor: RUSHING A J; YANG D

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 6356360 | B1 | 20020312 | US 97990701 | A | 19971216 | 200243 B |

Priority Applications (No Type Date): US 97990701 A 19971216

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|-------------|--------------|
| US 6356360 | B1 | 12 | G06K-015/02 | |

Abstract (Basic): US 6356360 B1

NOVELTY - The **image** pixels are rendered by **comparing** value of pixel to be rendered with threshold values. The **halftone** dots having rendered pixels with background density and density that of background density are formed.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Rendered image **data** generation method;
- (b) Rendered image **data** generating apparatus

USE - For inkjet **printer** .

ADVANTAGE - By forming the **halftone** dots with rendered pixels

having background density and density greater than background density, improves the ability to represent variation in gray level. Thereby, a better quality pictorial **information** is obtained.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining threshold masking operation of image processing method.

pp; 12 DwgNo 2/5

Title Terms: IMAGE; REPRODUCE; METHOD; **PRINT** ; FORMING; **HALFTONE** ; DOT; RENDER; PIXEL; BACKGROUND; DENSITY; DENSITY; GREATER; BACKGROUND; DENSITY
Derwent Class: T04; W02
International Patent Class (Main): **G06K-015/02**
International Patent Class (Additional): H04N-001/405; H04N-001/407
File Segment: EPI

19/5/26 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014572797 ****Image available****

WPI Acc No: 2002-393501/200242

Related WPI Acc No: 1996-518986; 1997-310156; 1998-009129; 1998-110064;

1998-286225; 1999-204782; 1999-444465; 2000-013122; 2000-194736;
2000-195398; 2000-365779; 2000-464989; 2000-490584; 2000-647035;
2001-022904; 2001-335855; 2001-357503; 2001-374044; 2001-397673;
2001-425330; 2001-570080; 2001-580828; 2001-581298; 2001-581665;
2001-595705; 2001-607222; 2002-011177; 2002-041658; 2002-062159;
2002-082807; 2002-154357; 2002-188040; 2002-205513; 2002-224088;
2002-226224; 2002-235400; 2002-236852; 2002-238913; 2002-239839;
2002-256143; 2002-268672; 2002-315095; 2002-361599; 2002-361694;
2002-382444; 2002-391512; 2002-392708; 2002-394013; 2002-405083;
2002-413035; 2002-416925; 2002-435593; 2002-479804; 2002-498079;
2002-507125; 2002-508021; 2002-528580; 2002-556177; 2002-636862;
2002-654787; 2002-672857; 2002-673567; 2003-045908; 2003-074123;
2003-137905; 2003-140183; 2003-268467; 2003-327510; 2003-401297;
2003-465734; 2003-587433; 2003-615418; 2003-615425; 2003-655616;
2003-655715; 2003-656012; 2003-767701; 2003-777048; 2003-800216;
2004-041644; 2004-059948; 2004-386915

XRPX Acc No: N02-308552

Adapting printer performance for different types of print media by controlling printing using print media attributes recorded in memory to adjust printer parameters

Patent Assignee: DIGIMARC CORP (DIGI-N)

Inventor: KUMAR A B

Number of Countries: 095 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|--------------|------|----------|----------------|------|----------|----------|
| WO 200207067 | A1 | 20020124 | WO 2001US22185 | A | 20010712 | 200242 B |
| AU 200222965 | A | 20020130 | AU 200222965 | A | 20010712 | 200242 |

Priority Applications (No Type Date): US 2000619264 A 20000719

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200207067 A1 E 14 G06K-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200222965 A G06K-009/00 Based on patent WO 200207067

Abstract (Basic): WO 200207067 A1

NOVELTY - **Watermarked print media** (100) represents a sheet of paper submitted to a **printer** and the **watermark** image is captured by an image sensor (102), while a **watermark** detector (104) reads **watermarked image data** from a memory, detects the **watermark** in the **image** and **extracts** a message from the **watermark** including any **printer control information**. This **information** is communicated to a **printer control unit** (100), interpreting it to determine the corresponding operating parameters (108) to apply to a **print job**. These parameters are enforced by issuing corresponding control signals to a **print mechanism** (110).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a paper medium and for a **printer** system.

USE - Adapting **printer** performance for different types of **print media**.

ADVANTAGE - Cost effective optimization of **printer** operation.

DESCRIPTION OF DRAWING(S) - The drawing shows the **printer**

Print media (100)

Image sensor (102)

Detector (104)

Control unit (100)

Print mechanism (110)

pp; 14 DwgNo 1/1

Title Terms: ADAPT; **PRINT** ; PERFORMANCE; TYPE; **PRINT** ; MEDIUM; CONTROL;
PRINT ; **PRINT** ; MEDIUM; ATTRIBUTE; RECORD; MEMORY; ADJUST; **PRINT** ;
PARAMETER

Derwent Class: T01; T04; W04

International Patent Class (Main): G06K-009/00

File Segment: EPI

19/5/27 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014539985 **Image available**

WPI Acc No: 2002-360688/200239

XRPX Acc No: N02-281783

Image processor for use in digital watermark embedding apparatus,
embeds digital watermark including position and rotation information
in image data signal using irrotationally symmetric pattern arrangement

Patent Assignee: CANON KK (CANO); ISHIDA Y (ISHI-I); IWAMURA K (IWAM-I);
MURAKAMI T (MURA-I)

Inventor: ISHIDA Y; IWAMURA K; MURAKAMI T

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20020002679 | A1 | 20020103 | US 2001824746 | A | 20010404 | 200239 B |
| JP 2001292302 | A | 20011019 | JP 2000107130 | A | 20000407 | 200239 |

Priority Applications (No Type Date): JP 2000107130 A 20000407

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|----------------|----|--|----|-------------|--|
| US 20020002679 | A1 | | 85 | G06K-009/36 | |
|----------------|----|--|----|-------------|--|

| | | | | | |
|---------------|---|--|----|--------------|--|
| JP 2001292302 | A | | 40 | H04N-001/387 | |
|---------------|---|--|----|--------------|--|

Abstract (Basic): US 20020002679 A1

NOVELTY - The image processor embeds digital **watermark** including position and rotation **information** in image **data** signal using irrotationally symmetric pattern arrangement. The pattern arrangement is a two-dimensional matrix constituted by m asterisk n elements.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the

following:

- (a) Image processing method;
 - (b) Computer program product storing instruction for image processing;
 - (c) Computer **data** signal
- USE - Image processor for use in digital **watermark** embedding apparatus including copier, facsimile and **printer** .
- ADVANTAGE - By embedding digital **watermark** **information** in image **data** signal, security is improved and operation efficiency of the device is improved.

DESCRIPTION OF DRAWING(S) - The figure shows the embedded **information** **extracting** unit of the **image** processor.

pp; 85 DwgNo 20/53

Title Terms: IMAGE; PROCESSOR; DIGITAL; **WATERMARK** ; EMBED; APPARATUS; EMBED; DIGITAL; **WATERMARK** ; POSITION; ROTATING; **INFORMATION** ; IMAGE; **DATA** ; SIGNAL; SYMMETRICAL; PATTERN; ARRANGE

Derwent Class: T01; T04; W02

International Patent Class (Main): **G06K-009/36** ; H04N-001/387

International Patent Class (Additional): G06T-001/00; H04L-009/00

File Segment: EPI

19/5/28 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014537802 **Image available**

WPI Acc No: 2002-358505/200239

XRPX Acc No: N02-300459

Card fabrication and authentication apparatus and method based on watermarking technique

Patent Assignee: MARKANY INC (MARK-N); MARKTEK INC (MARK-N)

Inventor: CHOI J U; LEE W H; CHOI J W; CHOI J; LEE J; LEE W

Number of Countries: 094 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|---------------|------|----------|----------|
| KR 2001087749 | A | 20010926 | KR 200056321 | A | 20000926 | 200239 B |
| WO 200227720 | A1 | 20020404 | WO 2001KR1620 | A | 20010926 | 200242 |
| AU 200192414 | A | 20020408 | AU 200192414 | A | 20010926 | 200252 |
| KR 373443 | B | 20030225 | KR 200056321 | A | 20000926 | 200345 |
| JP 2004510277 | W | 20040402 | WO 2001KR1620 | A | 20010926 | 200424 |
| | | | JP 2002531416 | A | 20010926 | |

Priority Applications (No Type Date): KR 200056321 A 20000926

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 2001087749 A 1 G11B-020/10

WO 200227720 A1 E 44 G11B-020/10

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200192414 A G11B-020/10 Based on patent WO 200227720

KR 373443 B G11B-020/10 Previous Publ. patent KR 2001087749

JP 2004510277 W 64 G06K-019/077 Based on patent WO 200227720

Abstract (Basic): KR 2001087749 A

NOVELTY - A card fabrication and authentication apparatus and a

method based on **watermarking** technique are provided to be capable of preventing counterfeiting and modification a card by inserting a **watermark** into a digital image to be **printed** on the card.

DETAILED DESCRIPTION - **Information** for issuing a card to a card issue requester and card authentication **information** are stored in a card **information** database(110). A **watermark** generator(120) generates a **watermark** using the card authentication **information** stored in the card **information** database(110). A digital **image** is prepared from **information** **extracted** from the card **information** database(110) using a general graphic tool. A **watermark** processor(130) inserts the **watermark** into the digital image. A **watermarking** digital image **printer** (140) **prints** the digital image **data** having the **watermark** inserted onto card raw material.

pp; 1 DwgNo 1/10

Title Terms: CARD; FABRICATE; AUTHENTICITY; APPARATUS; METHOD; BASED;
WATERMARK ; TECHNIQUE

Derwent Class: P76; T03; T04

International Patent Class (Main): **G06K-019/077** ; G11B-020/10

International Patent Class (Additional): B42D-015/10; **G06K-019/10** ;

G06T-001/00; H04L-009/32; H04N-001/387

File Segment: EPI; EngPI

19/5/29 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014350200 **Image available**

WPI Acc No: 2002-170903/200222

XRPX Acc No: N02-130013

Method for extracting the multiresolution watermark images for use in proving rightful ownership of an image

Patent Assignee: ZENG W (ZENG-I); SHARP LAB AMERICA INC (SHAF)

Inventor: ZENG W

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|-------------|------|----------|----------|
| US 20010016058 | A1 | 20010823 | US 9878224 | P | 19980316 | 200222 B |
| | | | US 98164231 | A | 19980930 | |
| US 6373974 | B2 | 20020416 | US 9878224 | P | 19980316 | 200232 |
| | | | US 98164231 | A | 19980930 | |

Priority Applications (No Type Date): US 9878224 P 19980316; US 98164231 A 19980930

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|----------------|------|-----|----|-------------|------------------------------------|
| US 20010016058 | A1 | | 13 | G06K-009/00 | Provisional application US 9878224 |
| US 6373974 | B2 | | | G06K-009/00 | Provisional application US 9878224 |

Abstract (Basic): US 20010016058 A1

NOVELTY - The method for embedding and **extracting** visual **indicia** in an **image** embeds a visually imperceptible **watermark** in an original image. A test image can then be later checked for the embedded visual **indicia** . This **indicia** can then be **extracted** from the test **image** to determine if the test **image** is a copy of the original image.

USE - For digital **watermarking** of multimedia **data** for copyright protection.

ADVANTAGE - The **watermark** detector is allowed to adaptively choose the trade-off between robustness degree and resolution of the

extracted watermark image .

DESCRIPTION OF DRAWING(S) - The figure shown is a block diagram for the **watermark** encoder.

image (12)

logo image (16)

pp; 13 DwgNo 1a/9

Title Terms: METHOD; EXTRACT; **WATERMARK** ; IMAGE; PROVE; IMAGE

Derwent Class: T01; W04

International Patent Class (Main): **G06K-009/00**

File Segment: EPI

19/5/30 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014304088 **Image available**

WPI Acc No: 2002-124791/200217

XRPX Acc No: N02-093425

Electronic water mark information adding equipment for motion and still picture images , has memory repetition unit for extracting stored water marks which are then added to image

Patent Assignee: SONY CORP (SONY); HOSAKA K (HOSA-I); MIYAHARA N (MIYA-I); YAGASAKI Y (YAGA-I)

Inventor: HOSAKA K; MIYAHARA N; YAGASAKI Y

Number of Countries: 002 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|-------------|------|----------|----------|
| JP 2000151984 | A | 20000530 | JP 98327911 | A | 19981118 | 200217 B |
| US 20040005076 | A1 | 20040108 | US 99442444 | A | 19991117 | 200404 |
| US 6775391 | B2 | 20040810 | US 99442444 | A | 19991117 | 200453 |

Priority Applications (No Type Date): JP 98327911 A 19981118

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|----------------|------|--------|--------------|--------------|
| JP 2000151984 | A | 30 | H04N-001/387 | |
| US 20040005076 | A1 | | G06K-009/00 | |
| US 6775391 | B2 | | G06K-009/00 | |

Abstract (Basic): JP 2000151984 A

NOVELTY - Equipment (10) has memory (501) for storing single **water mark** of pixel size NasteriskM which is read out by unit **water mark** repetition unit (103). **Water mark printing** unit (101) incorporates **water mark** repeatedly in vertical and horizontal directions of image, at the positions whose coordinate is determined by dividing the unit **water mark** .

DETAILED DESCRIPTION - After dividing the space in vertical and horizontal directions based on corresponding pixel sizes of unit **water mark** , the remainder is stored in memory. INDEPENDENT CLAIMS are also included for the following:

- (a) **water mark printing** procedure;
- (b) supplementary **information** detector;
- (c) **water mark information** detecting procedure

USE - Equipment is used for repetitive addition of **water mark** to still and motion pictures to prevent illegal usage of images.

ADVANTAGE - As single **water mark** is repetitively used, memory utilization is reduced.

DESCRIPTION OF DRAWING(S) - Block diagram of equipment is illustrated.

Equipment (10)

Water mark printing unit (101)
 Water mark repetition unit (103)
 Memory (501)
 pp; 30 DwgNo 1/32
 Title Terms: ELECTRONIC; WATER; MARK; INFORMATION ; ADD; EQUIPMENT; MOTION
 ; STILL; PICTURE; IMAGE; MEMORY; REPEAT; UNIT; EXTRACT; STORAGE; WATER;
 MARK; ADD; IMAGE
 Derwent Class: P85; T01
 International Patent Class (Main): G06K-009/00 ; H04N-001/387
 International Patent Class (Additional): G06T-001/00; G09C-005/00;
 H03M-007/00; H04N-001/40; H04N-007/08; H04N-007/081; H04N-007/30
 File Segment: EPI; EngPI

19/5/31 (Item 17 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2004 Thomson Derwent. All rts. reserv.

014262980
 WPI Acc No: 2002-083678/200212
 XRPX Acc No: N02-085604

Image recognition equipment for detecting copy-protected information
 such as bank note watermarks , involves comparing specific
 information from blocks of data of an original image to that of a
 copied image

Patent Assignee: CANON KK (CANO); OHARA E (OHAR-I); SUZUKI T (SUZU-I)
 Inventor: OHARA E; SUZUKI T
 Number of Countries: 031 Number of Patents: 007

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| CN 1307313 | A | 20010808 | CN 2001111634 | A | 20010131 | 200212 B |
| EP 1122939 | A2 | 20010808 | EP 2001300633 | A | 20010124 | 200216 |
| KR 2001078199 | A | 20010820 | KR 20014533 | A | 20010131 | 200212 |
| JP 2001218040 | A | 20010810 | JP 200022285 | A | 20000131 | 200220 |
| JP 2001218044 | A | 20010810 | JP 200022962 | A | 20000131 | 200220 |
| US 20020054692 | A1 | 20020509 | US 2001768331 | A | 20010125 | 200235 |
| TW 515193 | A | 20021221 | TW 2001101693 | A | 20010129 | 200358 |

Priority Applications (No Type Date): JP 200022962 A 20000131; JP 200022285
 A 20000131

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|------|-----|----|-------------|--------------|
| CN 1307313 | A | | | G06K-009/46 | |
| EP 1122939 | A2 E | 44 | | H04N-001/00 | |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT | | | | | |
| LI LT LU LV MC MK NL PT RO SE SI TR | | | | | |
| KR 2001078199 | A | | | H04N-001/38 | |
| JP 2001218040 | A | | 11 | H04N-001/40 | |
| JP 2001218044 | A | | 19 | H04N-001/40 | |
| US 20020054692 | A1 | | | G06K-009/46 | |
| TW 515193 | A | | | H04N-001/00 | |

Abstract (Basic): EP 1122939 A2

NOVELTY - The image recognition equipment compares blocks of
 image data on copy-protected information such as bank note
 watermarks and compares the data blocks to corresponding data
 blocks of images on an item that is being copied, to verify the
 validity of the image . The copied image is also compared for
 position within a document, color and density.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(1) A computer program for executing image processing.
(2) A method of processing image **data** to prevent copying of copy-prohibited image **data** .
USE - The image recognition equipment can be incorporated into anti-forgery scanners and **printers** to prevent the copying of copy-protected **information** .
ADVANTAGE - The image recognition equipment accurately determines the validity of an original copy-protected image consistently at a relatively fast rate.

pp; 44 DwgNo 0/25

Title Terms: IMAGE; RECOGNISE; EQUIPMENT; DETECT; COPY; PROTECT;
INFORMATION ; BANK; NOTE; **WATERMARK** ; COMPARE; SPECIFIC; **INFORMATION** ;
BLOCK; **DATA** ; ORIGINAL; IMAGE; COPY; IMAGE
Derwent Class: P75; P84; S06; T01; T04; W02
International Patent Class (Main): **G06K-009/46** ; H04N-001/00; H04N-001/38;
H04N-001/40
International Patent Class (Additional): B41J-021/00; B41J-029/00;
G03G-021/00; G06F-003/12; G06F-009/44; **G06K-009/62** ; **G06K-015/02** ;
G06T-001/00; G06T-007/00; H04N-001/387
File Segment: EPI; EngPI

19/5/32 (Item 18 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014062710 **Image available**

WPI Acc No: 2001-546923/200161

XRPX Acc No: N01-478033

Image **processing method in watermark embedding apparatus, involves determining extraction of additional information from image based on results obtained from previous extracted information**

Patent Assignee: CANON KK (CANO); HAYASHI J (HAYA-I); ISHIDA Y (ISHI-I); IWAMURA K (IWAM-I); MURAKAMI T (MURA-I)

Inventor: HAYASHI J; ISHIDA Y; IWAMURA K; MURAKAMI T

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| JP 2001218006 | A | 20010810 | JP 200021431 | A | 20000131 | 200161 B |
| US 20010030759 | A1 | 20011018 | US 2001771983 | A | 20010130 | 200174 |

Priority Applications (No Type Date): JP 200021431 A 20000131; JP 200021426 A 20000131

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|---------------|---|--|----|--------------|--|
| JP 2001218006 | A | | 49 | H04N-001/387 | |
|---------------|---|--|----|--------------|--|

| | | | | | |
|----------------|----|--|----|-------------|--|
| US 20010030759 | A1 | | 97 | B41J-001/00 | |
|----------------|----|--|----|-------------|--|

Abstract (Basic): US 20010030759 A1

NOVELTY - An **information** having a registration signal for correcting geometrical distortion of an **image** is **extracted** . The results obtained from the **extracted information** is used to determine whether another **information** is to be **extracted** from the **image** .

USE - For detecting a specific image for which **printing** is not permitted, e.g. for use in **watermark** embedding apparatus which embeds **watermark** for providing copy right protection of digital image speech or character **data** . Also for detecting illegal **printing** of specific images such as currencies or security notes.

ADVANTAGE - Reduces unnecessary electronic **watermark** extraction

processing and consequently the amount of time required to determine whether or not a target image is a specific image. Hence, results in fast processing, which enables high-speed control of the **water mark** embedding apparatus.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of general arrangement of an electronic **watermark** embedding apparatus.
pp; 97 DwgNo 1/59

Title Terms: IMAGE; PROCESS; METHOD; **WATERMARK** ; EMBED; APPARATUS;
DETERMINE; EXTRACT; ADD; **INFORMATION** ; IMAGE; BASED; RESULT; OBTAIN;
EXTRACT; **INFORMATION**
Derwent Class: P75; P84; P85; T01; T04; T05
International Patent Class (Main): B41J-001/00; H04N-001/387
International Patent Class (Additional): B41F-001/00; **G06K-009/00** ;
G06T-001/00; G09C-005/00; H04N-001/40
File Segment: EPI; EngPI

19/5/33 (Item 19 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014035926 **Image available**
WPI Acc No: 2001-520139/200157
XRPX Acc No: N01-385144

DCT based decoder for JPEG encoded image, generates decompressed version of original image by arranging extracted elements of disjoint sub-array in preset order such that resolution of decompressed image is less

Patent Assignee: NEC RES INST INC (NIDE)
Inventor: STONE H S
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 6259820 | B1 | 20010710 | US 9761190 | A | 19971006 | 200157 B |
| | | | US 9830496 | A | 19980225 | |

Priority Applications (No Type Date): US 9761190 P 19971006; US 9830496 A 19980225

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|-------------|-------------------------|--------------|
| US 6259820 | B1 | 13 | G06K-009/46 | Provisional application | US 9761190 |

Abstract (Basic): US 6259820 B1

NOVELTY - A matrix of disjoint sub-arrays is generated so that each elements of sub-array corresponds to sub-array elements obtained from **base JPEG encoded image** . Several elements **extracted** from each disjoint sub-array with respect to desired compression level are arranged in predetermined order to generate a decompressed image so that the resolution of the decompressed image is less than that of the original image.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method of generating decompressed images.

USE - DCT based **decoder** for JPEG **encoded** images.

ADVANTAGE - Enables to produce decompressed images with low resolution directly, without doing a full JPEG decompression. Enables to obtain decompressed images at several intermediate levels, without **encoding** the image at multiple resolution levels.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of DCT based **decoder** .

pp; 13 DwgNo 1b/4

Title Terms: DCT; BASED; **DECODE** ; **ENCODE** ; IMAGE; GENERATE; DECOMPRESS;

VERSION; ORIGINAL; IMAGE; ARRANGE; EXTRACT; ELEMENT; SUB; ARRAY; PRESET;
ORDER; RESOLUTION; DECOMPRESS; IMAGE; LESS
Derwent Class: T01
International Patent Class (Main): G06K-009/46
File Segment: EPI

19/5/34 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013780752 **Image available**
WPI Acc No: 2001-264963/200127
Related WPI Acc No: 1993-267344; 1993-267345; 1993-267346; 1999-539717
XRPX Acc No: N01-189427
Image data processing method for digital image processor, involves
assigning density bands to form additive information representative of
image contour and deciding whether density changes continuously around
band

Patent Assignee: MINOLTA CO LTD (MIOC)
Inventor: IKENOUE Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 6185326 | B1 | 20010206 | US 92995204 | A | 19921222 | 200127 B |
| | | | US 95429469 | A | 19950427 | |
| | | | US 97987267 | A | 19971209 | |

Priority Applications (No Type Date): JP 91347390 A 19911227; JP 91346249 A
19911227; JP 91346261 A 19911227; JP 91347372 A 19911227

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|-------------|----------|---|
| US 6185326 | B1 | 50 | G06K-009/00 | | Cont of application US 92995204 Div ex application US 95429469 |

Abstract (Basic): US 6185326 B1

NOVELTY - Density bands are assigned for forming additive
information representative of the contour of the image. Continuous
changes in density of the image around each density band is determined.
When the image density is determined to be changing continuously around
the bands, then assignment of density band is canceled for the additive
information .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

(a) **Printer ;**

(b) Image processing apparatus

USE - Used in digital image processor such as digital **printer .**

ADVANTAGE - The contours of image cost in hard copy is restored as
far as the additive **information** is **extracted** from the hard copy.
The **image** quality of **half tone image** is not degraded, if the
reproduced hard copy is done repeatedly. For documents with patched
image including image regions without additive **information** on
contour, thus received image **data** on the image regions are
synthesized with image **data** of the other image regions restored from
the additive **information** . A read error is detected and corrected for
an image including additive **information** on contour.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram explaining
the processing of an image.

pp; 50 DwgNo 2/43

Title Terms: IMAGE; **DATA** ; PROCESS; METHOD; DIGITAL; IMAGE; PROCESSOR;

ASSIGN; DENSITY; BAND; FORM; ADDITIVE; **INFORMATION** ; REPRESENT; IMAGE;
CONTOUR; DECIDE; DENSITY; CHANGE; CONTINUOUS; BAND
Derwent Class: T01; T04
International Patent Class (Main): **G06K-009/00**
File Segment: EPI

19/5/35 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013201331 **Image available**
WPI Acc No: 2000-373204/200032
XRPX Acc No: N00-280229

Electrophotographic color image forming apparatus e.g. digital color copier, has image data compensation unit which changes background image data into set value near image reproduction starting point

Patent Assignee: FUJI XEROX CO LTD (XERF)
Inventor: HAYASHI K; IWAOKA K; KUBO M; SHINOHARA K; TAKAMATSU M
Number of Countries: 002 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|----------|----------|
| JP 2000125135 | A | 20000428 | JP 98295041 | A | 19981016 | 200032 B |
| US 6459502 | B1 | 20021001 | US 99388932 | A | 19990902 | 200268 |

Priority Applications (No Type Date): JP 98295041 A 19981016

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---------------|------|-----|----|--------------|--------------|
| JP 2000125135 | A | | 21 | H04N-001/409 | |
| US 6459502 | B1 | | | H04N-001/46 | |

Abstract (Basic): JP 2000125135 A

NOVELTY - The multivalue image **data** edge for every color which changes from **half - tone image data** to background **image data** in subscanning direction, is **extracted** by edge **extraction** unit. An **image data** compensation unit then changes background **image data** into set value near image reproduction starting point.

USE - In e.g. digital color copier, **printer** connected to computer network.

ADVANTAGE - Since background **image data** edge is **extracted** and changed to set value, density reduction of output **image** is prevented, therefore high resolving of output image is attained.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of **data** compensation unit of image processing unit.

pp; 21 DwgNo 1/23

Title Terms: ELECTROPHOTOGRAPHIC; COLOUR; IMAGE; FORMING; APPARATUS;
DIGITAL; COLOUR; COPY; IMAGE; **DATA** ; COMPENSATE; UNIT; CHANGE;
BACKGROUND; IMAGE; **DATA** ; SET; VALUE; IMAGE; REPRODUCE; START; POINT
Derwent Class: P75; S06; T01; W02
International Patent Class (Main): H04N-001/409; H04N-001/46
International Patent Class (Additional): B41J-002/525; **G06K-015/00**
File Segment: EPI; EngPI

19/5/36 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012820031 **Image available**
WPI Acc No: 1999-626262/199954

XRPX Acc No: N99-462999

Half - tone **image processing method for color inkjet printer - involves determining error diffusion co-efficient based on difference in image source data and accumulated error**

Patent Assignee: CANON BUSINESS MACHINES INC (CANO); CANON KK (CANO)

Inventor: HIRABAYASHI H; YAMADA A

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 11275359 | A | 19991008 | JP 9924329 | A | 19990201 | 199954 B |
| US 6172768 | B1 | 20010109 | US 9819310 | A | 19980205 | 200104 |

Priority Applications (No Type Date): US 9819310 A 19980205

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|--------------|--------------|
| JP 11275359 | A | | 25 | H04N-001/405 | |
| US 6172768 | B1 | | | B41B-015/00 | |

Abstract (Basic): JP 11275359 A

NOVELTY - During **half - tone** output value determination process, the threshold value of attention pixel is determined based on **comparison** between **image source data** and the accumulated error. During diffusion process, the error diffusion co-efficient depends on **difference** between **image source data** and accumulated error. The accumulated **data** is at a predefined proportion of the stored image **data** .

USE - For color inkjet **printers** .

ADVANTAGE - The image quality degradation produced due to error in **half - tone** process is reduced.

Dwg.1/14

Title Terms: HALF; TONE; IMAGE; PROCESS; METHOD; **PRINT** ; DETERMINE; ERROR; DIFFUSION; CO; EFFICIENCY; BASED; DIFFER; IMAGE; SOURCE; **DATA** ; ACCUMULATE; ERROR

Derwent Class: P74; T01; W02

International Patent Class (Main): B41B-015/00; H04N-001/405

International Patent Class (Additional): **G06K-009/36** ; **G06K-009/40** ;

G06T-005/00; H04N-001/40

File Segment: EPI; EngPI

19/5/37 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012733600 **Image available**

WPI Acc No: 1999-539717/199945

Related WPI Acc No: 1993-267344; 1993-267345; 1993-267346; 2001-264963

XRPX Acc No: N99-399913

Non-degradable image processor for image processing for e.g. printer

Patent Assignee: MINOLTA CO LTD (MIOC)

Inventor: IKENOUE Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 5956420 | A | 19990921 | US 92995204 | A | 19921222 | 199945 B |
| | | | US 95429469 | A | 19950427 | |

Priority Applications (No Type Date): JP 91347390 A 19911227; JP 91346249 A 19911227; JP 91346261 A 19911227; JP 91347372 A 19911227

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 5956420 A 52 G06K-009/00 Cont of application US 92995204

Abstract (Basic): US 5956420 A

NOVELTY - The receiver receives **image data** which has characteristic dots inscribing its contour. The **extractor** extracts the characteristic dots from the **image data**. Based on the **extracted** characteristic dots, the restoring unit restores the **image data**. The reproducing unit reproduces analog image using the restored **image data**.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for image processing method.

USE - For image processing for e.g. **printer**, combined digital copier and electrophotographic **printer**.

ADVANTAGE - Offers image processor which does not degrade the image at time of reproduction. Enables restoring contours of image lost in hard copy. Provides quality of **half tone** image that is not degraded in reproduced hard copy. Enables to detect and correct errors occurring at time of reading a document.

DESCRIPTION OF DRAWING(S) - The figure depicts the non- degradable image processor.

pp; 52 DwgNo 2/43

Title Terms: NON; DEGRADE; IMAGE; PROCESSOR; IMAGE; PROCESS; **PRINT**

Derwent Class: S06; T01; T04

International Patent Class (Main): **G06K-009/00**

File Segment: EPI

19/5/38 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012644880 **Image available**

WPI Acc No: 1999-450985/199938

XRPX Acc No: N99-337466

Image processor for e.g. copier - has threshold value controller that regulates threshold value level of digitization process opposing attention pixel in digitizer based on obtained multi-value data

Patent Assignee: CANON KK (CANO)

Inventor: KABURAGI H; YAMAGATA S

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 11187259 | A | 19990709 | JP 97355760 | A | 19971224 | 199938 B |
| US 6668100 | B1 | 20031223 | US 98210549 | A | 19981214 | 200408 |

Priority Applications (No Type Date): JP 97355760 A 19971224

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11187259 A 23 H04N-001/40

US 6668100 B1 G06K-009/46

Abstract (Basic): JP 11187259 A

NOVELTY - The image processor has a threshold value controller (305) that regulates the threshold value level of the digitization process opposing the attention pixel in a digitizer (301) based on the obtained multi-value **data**. DETAILED DESCRIPTION - The digitizer processes the input multi-value **data**. An error compensation unit (302) converts the multi-value **data**, which have concentration **difference information** for every pixel, into **image data** in n

value expressed in terms of **half tone** . A digitization result delay unit (303) holds the obtained digitized **data** near the attention pixel. The multi-value **data** are generated based on the held digitized **data** . An INDEPENDENT CLAIM is included for a reaching procedure of the image processor.

USE - For e.g. copier.

ADVANTAGE - Prevents reduction in output resolution accompanied by dot centralization. Controls dot centralization based on **printer** characteristic and desired concentration area which a dummy outline and nonuniformity tend to generate. Controls exact texture by controlling the threshold value of the digitization process based on the distribution pattern resulting from past digitization. DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the detailed component of the gradation conversion processing unit in the image processor. (301) Digitizer; (302) Error compensation unit; (303) Digitization result delay unit; (305) Threshold value controller.

Dwg.3/28

Title Terms: IMAGE; PROCESSOR; COPY; THRESHOLD; VALUE; CONTROL; REGULATE; THRESHOLD; VALUE; LEVEL; DIGITAL; PROCESS; OPPOSED; ATTENTION; PIXEL; DIGITAL; BASED; OBTAIN; MULTI; VALUE; **DATA**

Derwent Class: P75; T01; W02

International Patent Class (Main): **G06K-009/46** ; H04N-001/40

International Patent Class (Additional): B41J-002/52; G06F-003/12;

G06T-001/00

File Segment: EPI; EngPI

19/5/39 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012439811 **Image available**

WPI Acc No: 1999-245919/199921

XRPX Acc No: N99-183141

Halftone **-dot image data correction**

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)

Inventor: INOUE Y

Number of Countries: 027 Number of Patents: 004

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| EP 907282 | A2 | 19990407 | EP 98118701 | A | 19981002 | 199921 B |
| JP 11112814 | A | 19990423 | JP 97271626 | A | 19971003 | 199927 |
| US 6172770 | B1 | 20010109 | US 98165805 | A | 19981002 | 200104 |
| JP 3400316 | B2 | 20030428 | JP 97271626 | A | 19971003 | 200330 |

Priority Applications (No Type Date): JP 97271626 A 19971003

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|-----------|----|---|----|-------------|--|
| EP 907282 | A2 | E | 37 | H04N-001/40 | |
|-----------|----|---|----|-------------|--|

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

| | | | |
|-------------|---|----|--------------|
| JP 11112814 | A | 17 | H04N-001/409 |
|-------------|---|----|--------------|

| | | | |
|------------|----|--|-------------|
| US 6172770 | B1 | | G06K-009/40 |
|------------|----|--|-------------|

| | | | | |
|------------|----|----|--------------|-----------------------------------|
| JP 3400316 | B2 | 17 | H04N-001/409 | Previous Publ. patent JP 11112814 |
|------------|----|----|--------------|-----------------------------------|

Abstract (Basic): EP 907282 A2

NOVELTY - Method consists in converting **halftone -dot image data** in a position space into **data** in a frequency space, extracting **data** including LF noise components at less than the fundamental frequency component of **halftone** dots from **data** in the frequency space, and

inversely converting the **extracted data** into **image data** in the position space to correct the **halftone -dot image data** pixels. **Data extraction** includes weighting with human vision characteristics.

DETAILED DESCRIPTION - An **INDEPENDENT CLAIM** is included for an apparatus for correcting **halftone -dot image data**, a method of correcting **halftone** dot threshold data to correct the position of threshold values in **halftone** dot threshold **data** which takes a screen ruling, a screen angle, and a dot shape into account and which takes a predetermined numerical range, and a method of correcting threshold values in threshold matrix **data** used in obtaining **halftone** dot image **data** by processing continuous tone image **data** to be binary or multivalued **data**.

USE - Method is for **halftone -dot image data** in **printing** devices such as color scanners, image setters, Computer to Plate devices, copiers and Digital **Data** Color Proofing devices.

ADVANTAGE - Method corrects **halftone -dot threshold data** and reduces low frequency noise more efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a platemaking system to which the principles of the invention are applied.

pp; 37 DwgNo 1/23

Title Terms: **HALFTONE ; DOT; IMAGE; DATA ; CORRECT**

Derwent Class: S06; T01

International Patent Class (Main): **G06K-009/40 ; H04N-001/40; H04N-001/409**

International Patent Class (Additional): **G06F-017/14; G06T-001/00;**

G06T-005/10; G06T-005/20; G06T-005/50; G06T-009/00; H04N-001/405

File Segment: EPI

19/5/40 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012066429 **Image available**

WPI Acc No: 1998-483340/199842

XRPX Acc No: N98-377105

Image processing apparatus for error diffusion process correction - in which saturation of density at high densities of image is prevented, by correcting error diffusion method

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: AINAI S; HORIE H; KAMATA T; OSHIO H; SATO K

Number of Countries: 025 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| EP 866602 | A2 | 19980923 | EP 97306753 | A | 19970902 | 199842 B |
| JP 10262150 | A | 19980929 | JP 9763206 | A | 19970317 | 199849 |
| US 6178267 | B1 | 20010123 | US 97926022 | A | 19970909 | 200107 |

Priority Applications (No Type Date): JP 9763206 A 19970317

Cited Patents: No-SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 866602 A2 E 40 H04N-001/405

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC NL PT RO SE SI

JP 10262150 A 22 H04N-001/405

US 6178267 B1 G06K-009/36

Abstract (Basic): EP 866602 A

The image processing apparatus includes a threshold value processing circuit (43) for subjecting a correction value with respect to an input image **data** to a threshold value process, and outputting output image **data** . A subtracting circuit (44) outputs an error signal based on the **difference** between the correction value and the output image **data** .

An error filter (45) distributes, as a distributing error **data** depending upon a value of the diffusion matrix, the error signal to neighborhood pixels of a target pixel within the input image **data** . A correction circuit (41,46) multiplies a coefficient to the input image **data** or the output image **data** .

USE - Correcting error diffusion process that subjects image **data** to pseudo **half - tone** processing in e.g. **printers** and facsimiles.

ADVANTAGE - Enables reproduction of gradation with high fidelity by preventing saturation of density at high densities of image, even if size of one dot is set larger than one dot pitch.

Dwg.3/26

Title Terms: IMAGE; PROCESS; APPARATUS; ERROR; DIFFUSION; PROCESS; CORRECT; SATURATE; DENSITY; HIGH; DENSITY; IMAGE; PREVENT; CORRECT; ERROR; DIFFUSION; METHOD

Derwent Class: P75; T01; W02

International Patent Class (Main): G06K-009/36 ; H04N-001/405

International Patent Class (Additional): B41J-002/52; G06T-001/00; G06T-005/00

File Segment: EPI; EngPI

19/5/41 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011543546 **Image available**

WPI Acc No: 1997-520027/199748

XRPX Acc No: N97-433145

Digital image copier - has decision circuit and selector that output jaggie correction data for filtered signal based on outputs of pattern recognition circuit and half tone detector

Patent Assignee: RICOH KK (RICO)

Inventor: KAMON K

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| JP 9247379 | A | 19970919 | JP 9646423 | A | 19960304 | 199748 B |
| US 5920646 | A | 19990706 | US 97811045 | A | 19970304 | 199933 |

Priority Applications (No Type Date): JP 9646423 A 19960304

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| JP 9247379 | A | | 14 | H04N-001/04 | |
| US 5920646 | A | | | G06K-009/34 | |

Abstract (Basic): JP 9247379 A

The copier has an image scanner that reads a document and converts the image into electrical signals for image reproduction by a laser printer . The image signals are digitised by the binary gradation processor (192) in a gradation processor (19), and are stored in a memory (100). A multivaluing circuit (101) **extracts** the binary image **data** from the memory.

The multivaluing circuit has a pattern recognition circuit (105) which distinguishes whether the pixel represented by a binary signal is

jaggie and therefore needs to be corrected. A **half - tone** detector (104) determines the **half - tone** area from the binary **data** . The signal is filtered by a multivaluing filter (107). A jaggie correction **data** is output by a decision circuit (109) and a selector (110) to the filtered signal.

ADVANTAGE - Reduces required memory capacity. Enables reproduction of high-resolution images since appropriate gradation expression is obtained with **half - tone** detector.

Dwg.2/10

Title Terms: DIGITAL; IMAGE; COPY; DECIDE; CIRCUIT; SELECT; OUTPUT; CORRECT
; **DATA** ; FILTER; SIGNAL; BASED; OUTPUT; PATTERN; RECOGNISE; CIRCUIT;
HALF; TONE; DETECT

Derwent Class: S06; T01; T04; W02

International Patent Class (Main): **G06K-009/34** ; H04N-001/04

International Patent Class (Additional): **G06K-009/40** ; G06T-005/20;

H04N-001/00; H04N-001/407; H04N-001/409

File Segment: EPI

19/5/42 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010663033 **Image available**

WPI Acc No: 1996-159987/199616

XRPX Acc No: N96-134088

Halftone **image generation method from grayscale image - using look-up table containing intensity threshold values at selected pixel positions with grayscale pixels coalesced based on pixels which will be same colour as identified pixel before comparison with threshold**

Patent Assignee: LASERMASTER CORP (LASE-N)

Inventor: ESAU R R; LIDKE S L

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 5499305 | A | 19960312 | US 94220280 | A | 19940330 | 199616 B |

Priority Applications (No Type Date): US 94220280 A 19940330

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| US 5499305 | A | | 14 | G06K-009/36 | |

Abstract (Basic): US 5499305 A

The method involves identifying intensity threshold values from a look-up table for each of a number of selected pixel positions in a grayscale image. The look-up table includes intensity threshold values distributed in a pseudorandom pattern associated with pixel locations on a grayscale image. Similar grayscale pixels in the grayscale image neighbouring each selected pixel position are coalesced.

This is based on the intensity threshold value associated with the selected pixel position and intensity **information** of neighbouring pixels to generate coalesced grayscale **image information** . The coalesced grayscale **image information** is compared on a pixel by pixel basis with corresponding intensity threshold values in the look-up table to form a **halftone** image.

USE/ADVANTAGE - E.g. **printer** . Minimises gear noise effects, dot gain, non-linearities in reflectance, artifacts and false contours. High speed operation. Low processor and memory requirements for reduced preprocessor cost.

Dwg.3/6

Title Terms: **HALFTONE** ; IMAGE; GENERATE; METHOD; IMAGE; LOOK-UP; TABLE;
CONTAIN; INTENSITY; THRESHOLD; VALUE; SELECT; PIXEL; POSITION; PIXEL;
COALESCE; BASED; PIXEL; COLOUR; IDENTIFY; PIXEL; COMPARE; THRESHOLD
Derwent Class: T01; T04
International Patent Class (Main): **G06K-009/36**
File Segment: EPI

19/5/43 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010199225 **Image available**

WPI Acc No: 1995-100479/199514

XRPX Acc No: N95-079436

Frequency modulated halftone imaging using relatively large halftone dots e.g. for offset printing - storing continuous tone image in first memory, generating associated threshold values and comparing to stored data , and generating halftone data to second memory

Patent Assignee: AGFA-GEVAERT NV (GEVA); AGFA-GEVAERT AG (GEVA);
AGFA-GEVAERT (GEVA)

Inventor: DELABASTITA P; DESCHUYTERE F; DELABASTITA P A; DESCHUYTERE F A

Number of Countries: 007 Number of Patents: 006

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| EP 642258 | A2 | 19950308 | EP 94202329 | A | 19940816 | 199514 B |
| JP 7085272 | A | 19950331 | JP 94234434 | A | 19940901 | 199522 |
| EP 642258 | A3 | 19950607 | EP 94202329 | A | 19940816 | 199610 |
| EP 642258 | B1 | 19971112 | EP 94202329 | A | 19940816 | 199750 |
| DE 69406741 | E | 19971218 | DE 606741 | A | 19940816 | 199805 |
| | | | EP 94202329 | A | 19940816 | |
| US 6278802 | B1 | 20010821 | US 93116254 | A | 19930902 | 200150 |
| | | | US 95493740 | A | 19950622 | |
| | | | US 97950468 | A | 19971015 | |

Priority Applications (No Type Date): US 93116254 A 19930902; US 95493740 A 19950622; US 97950468 A 19971015

Cited Patents: No-SR.Pub; 1.Jnl.Ref; US 4507685; US 4736254; WO 9112686

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

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|-----------|----|---|----|--------------|--|
| EP 642258 | A2 | E | 20 | H04N-001/405 | |
|-----------|----|---|----|--------------|--|

Designated States (Regional): BE DE FR GB NL

| | | | | | |
|------------|---|--|----|-------------|--|
| JP 7085272 | A | | 12 | G06T-005/00 | |
|------------|---|--|----|-------------|--|

| | | | | | |
|-----------|----|--|--|--------------|--|
| EP 642258 | A3 | | | H04N-001/405 | |
|-----------|----|--|--|--------------|--|

| | | | | | |
|-----------|----|---|----|--------------|--|
| EP 642258 | B1 | E | 21 | H04N-001/405 | |
|-----------|----|---|----|--------------|--|

Designated States (Regional): BE DE FR GB NL

| | | | | | |
|-------------|---|--|--|--------------|---------------------------|
| DE 69406741 | E | | | H04N-001/405 | Based on patent EP 642258 |
|-------------|---|--|--|--------------|---------------------------|

| | | | | | |
|------------|----|--|--|-------------|---------------------------------|
| US 6278802 | B1 | | | G06K-009/36 | Cont of application US 93116254 |
|------------|----|--|--|-------------|---------------------------------|

Cont of application US 95493740

Abstract (Basic): EP 642258 A

The FM **halftone** image is generated by a frequency modulated **halftone** screening from a continuous tone image having a number of **halftone** dots, some having a size greater than the size of one pixel of the tone image.

The image is rendered at a recorder pitch, and is stored as con-tone **data** values in a first memory. Threshold values are generated at a resolution which is different from the recorder pitch, and the threshold value resolution is converted to the recorder pitch. Each stored con-tone **data** value is compared in sequence with a

corresp. threshold value. The comparison result is stored as a **halftone data** value in a second memory to constitute the **halftone** image.

USE/ADVANTAGE - E.g. for high resolution rendering of text, graphics and boundary **information** in generation in general. Stable image tones.

Dwg.9/9

Title Terms: FREQUENCY; MODULATE; **HALFTONE** ; IMAGE; RELATIVELY; **HALFTONE** ; DOT; OFFSET; **PRINT** ; STORAGE; CONTINUOUS; TONE; IMAGE; FIRST; MEMORY; GENERATE; ASSOCIATE; THRESHOLD; VALUE; COMPARE; STORAGE; **DATA** ; GENERATE ; **HALFTONE** ; **DATA** ; SECOND; MEMORY

Index Terms/Additional Words: **GRAPHICS** US 62788 02|US 931 16254_US 954

Derwent Class: P84; S06; W02

International Patent Class (Main): **G06K-009/36** ; G06T-005/00; H04N-001/405

International Patent Class (Additional): G03F-005/00

File Segment: EPI; EngPI

19/5/44 (Item 30 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009988589 **Image available**

WPI Acc No: 1994-256300/199432

XRPX Acc No: N94-201961

Half - tone **copy prodn. from original with continuous colour toning - by measuring average highlight and shadow density and pixel density values and conversion to image information and tone intensity values**

Patent Assignee: YAMATOYA & CO LTD (YAMA-N); TAMATOYA SHOKAI KK (TAMA-N); YAMATOYA SHOKAI KK (YAMA-N)

Inventor: NUMAKURA I; NUMAKURA T; NAMAOKURA I

Number of Countries: 007 Number of Patents: 008

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| DE 4317928 | A1 | 19940728 | DE 4317928 | A | 19930528 | 199432 B |
| JP 6225145 | A | 19940812 | JP 9326025 | A | 19930122 | 199437 |
| GB 2277419 | A | 19941026 | GB 938127 | A | 19930420 | 199445 N |
| US 5371616 | A | 19941206 | US 9347456 | A | 19930419 | 199503 |
| TW 276320 | A | 19960521 | TW 93102263 | A | 19930325 | 199636 |
| CN 1092182 | A | 19940914 | CN 93102616 | A | 19930310 | 199716 N |
| GB 2277419 | B | 19970416 | GB 938127 | A | 19930420 | 199719 N |
| KR 128707 | B1 | 19980404 | KR 939687 | A | 19930531 | 200009 N |

Priority Applications (No Type Date): JP 9326025 A 19930122; GB 938127 A 19930420; CN 93102616 A 19930310; KR 939687 A 19930531

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|--------------|--------------|
| DE 4317928 | A1 | | 33 | G03F-003/08 | |
| JP 6225145 | A | | 18 | H04N-001/40 | |
| GB 2277419 | A | | 70 | H04N-001/40 | |
| KR 128707 | B1 | | | H04N-001/40 | |
| US 5371616 | A | | | H04N-001/46 | |
| TW 276320 | A | | | G06K-011/02 | |
| CN 1092182 | A | | | G03F-003/08 | |
| GB 2277419 | B | | | H04N-001/405 | |

Abstract (Basic): DE 4317928 A

The process involves the conversion of colour tones of originals with continuous toning for the prodn. of **half - tone** reproductions, as used for making plates for producing picture reproductions, e.g.

prints and other copies of high quality, esp. from original colour photographs with continuous toning. The steps used are: (a) measuring the density values of a highlight area (H) and an area near this and of a shadow area (S) and an area near this in the original photograph and obtg. representative density values (DHav, DSav) from these measured densities; (b) measuring the density values (Dn) of pixels in the area between (G) and (S) by scanning; (c) using the characteristic density curve of the photosensitive material of the colour film from which the original was made, the density curve being defined by a rectangular D-X coordinate system with vertical axis (D-axis) representing the density values and horizontal axis (X-axis) the image **information** values correlating with the light intensity; (d) converting DHav, DSav and Dn into image **information** values (XH, XS and Xn) corresp. to the light intensity; (e) converting Xn into colour tone intensity values (y), using the tone conversion formula:

$$y = y_H + (\alpha(a - 10^{\text{power}(-k \cdot x)} / (\alpha - \beta))) \cdot (y_S - y_H)$$
X = the background light intensity value, i.e. $X = (X_n - X_H)$; y = the tone intensity value of a pixel in the reproduction corresp. to a certain pixel in the original; yH and yS = tone intensity values in the reproduction corresp. to the highlights and shadows; alpha = the surface reflection of the paper on which the reproduction is made; beta = 10^{power(-gamma)}; k = A/(XS-XH); gamma = a coefft. to be selected.

The density curves show density vs. log exposure, pref. on the same scale. The value Xn corresponds to a standardised light intensity if the value (XS-XH), i.e. the dynamic region, is adjusted to 1.0.

ADVANTAGE - The process is suitable for making various reproductions and gives results of high quality.

In an example, a colour film original with a woman's portrait (4''x5'') had density values of 0.31 and 2.72 in the H and S areas, giving a dynamic range of 2.41. DHav and DSav were measured with a colour scanner by different operators, (A) 10 times, (B) 5 times, and converted to digital form. The software of the scanner was used for tone conversion, with automatic determination of the gamma value. The H values were (A) 0.3100-0.2940 (variation = 0.0160), (B) 0.3140-0.2960; and S values (A) 2.7320-2.6840 (variation = 0.480), (B) 2.7280-2.6840. The **prints** produced by the 2 operators had almost the same toning.

Dwg.3/4

Title Terms: HALF; TONE; COPY; PRODUCE; ORIGINAL; CONTINUOUS; COLOUR; TONE; MEASURE; AVERAGE; HIGHLIGHT; SHADOW; DENSITY; PIXEL; DENSITY; VALUE; CONVERT; IMAGE; **INFORMATION** ; TONE; INTENSITY; VALUE
Derwent Class: P82; P84; W02
International Patent Class (Main): G03F-003/08; **G06K-011/02** ; H04N-001/40; H04N-001/405; H04N-001/46
International Patent Class (Additional): B41J-002/52; G03B-033/00; G03F-007/00
File Segment: EPI; EngPI

19/5/45 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009343987 **Image available**
WPI Acc No: 1993-037452/199305
XRPX Acc No: N93-028634

Printing **gray-tone image as pseudo half - tone image - comparing half - tone values with threshold matrix values to generate outputs to printer unit to vary intensity**

Patent Assignee: PHILIPS PATENTVERWALTUNG GMBH (PHIG)
Inventor: HINZ H; LOEBL H

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| DE 4124828 | A1 | 19930128 | DE 4124828 | A | 19910726 | 199305 B |

Priority Applications (No Type Date): DE 4124828 A 19910726

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| DE 4124828 | A1 | | 9 | H04N-001/00 | |

Abstract (Basic): DE 4124828 A

The **printing** of a gray tone image as a pseudo **half tone** image is achieved using a matrix of elements, in which each element has at least two different values of intensity. A **comparison** is made of gray tone of the **image** at a specific point. Threshold values are determined for two different matrices describing the intensity.

The hardware used consists of two comparators (10,20) receiving the digitised **half tone data**. Threshold values are provided from memories (12,22) coupled to an addressing unit (14). The comparators generate outputs to control the darkness of a specific point by varying the size.

ADVANTAGE - Improved resolution of gray tone **print** images.

Dwg.7/7

Title Terms: **PRINT** ; GRAY; TONE; IMAGE; PSEUDO; HALF; TONE; IMAGE; COMPARE ; HALF; TONE; VALUE; THRESHOLD; MATRIX; VALUE; GENERATE; OUTPUT; **PRINT** ; UNIT; VARY; INTENSITY

Derwent Class: P75; T04; W02

International Patent Class (Additional): B41J-002/485; B41J-002/52;

G06K-015/00 ; H04N-001/40

File Segment: EPI; EngPI

19/5/46 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008807796 **Image available**

WPI Acc No: 1991-311808/199143

XRPX Acc No: N91-238969

Database prodn. for automatic optical test systems - converts some pixels to third state depending on location w.r.t. pixel series boundary

Patent Assignee: GERBER SCI INSTR CO (GERB); GERBER SYSTEMS CORP (GERB)

Inventor: SNIETKA S P

Number of Countries: 007 Number of Patents: 007

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| DE 4111490 | A | 19911017 | DE 4111490 | A | 19910409 | 199143 B |
| GB 2243682 | A | 19911106 | GB 915492 | A | 19910315 | 199145 |
| FR 2660772 | A | 19911011 | | | | 199151 |
| JP 4225149 | A | 19920814 | JP 9177627 | A | 19910410 | 199239 |
| US 5157762 | A | 19921020 | US 90508093 | A | 19900410 | 199245 |
| GB 2243682 | B | 19931020 | GB 915492 | A | 19910315 | 199342 |
| DE 4111490 | C2 | 19950427 | DE 4111490 | A | 19910409 | 199521 |

Priority Applications (No Type Date): US 90508093 A 19900410

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| JP 4225149 | A | | 14 | G01N-021/88 | |
| US 5157762 | A | | 16 | G06F-015/40 | |
| DE 4111490 | C2 | | 16 | G06K-009/03 | |

GB 2243682 B H05K-013/08

Abstract (Basic): DE 4111490 A

The arrangement for generating a database of signals representing circuit board characteristics uses pixels of one of two states (black or white) arranged in a series of scan lines. Black pixels are used to represent the characteristics. The boundary between two series of pixels on a current scan line is detected and the states of the series are determined.

The pixel state at the position in the preceding line corresponding to the current line boundary is determined and used to decide whether to convert pixels in adjacent lines at the boundary position into a third state, i.e. grey. Pixels in a defined tolerance range are also changed to grey.

USE/ADVANTAGE - For use in automatic optical test systems for **printed** circuit boards to generate a database with tolerances for individual characteristics of the boards. Three states can be used. (17pp Dwg.No.6/9)

Title Terms: DATABASE; PRODUCE; AUTOMATIC; OPTICAL; TEST; SYSTEM; CONVERT; PIXEL; THIRD; STATE; DEPEND; LOCATE; PIXEL; SERIES; BOUNDARY

Derwent Class: T01; V04

International Patent Class (Main): G01N-021/88; G06F-015/40; **G06K-009/03** ; H05K-013/08

International Patent Class (Additional): G01B-011/24; G06F-015/60;

G06F-015/62; G06F-015/70; G06F-019/00; **G06K-009/64** ; H05K-003/00

File Segment: EPI

19/5/47 (Item 33 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008735513 **Image available**

WPI Acc No: 1991-239529/199133

XRPX Acc No: N91-182664

Image processing system - has transformation to generate coefficients for comparison process to identify half tone or character elements

Patent Assignee: RICOH KK (RICO)

Inventor: HITOSHI Y; ICHIKAWA C; ICHIMURA H; KANDA Y; YOKOHAMA K; ISHII H

Number of Countries: 004 Number of Patents: 006

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| DE 4103229 | A | 19910808 | DE 4103229 | A | 19910202 | 199133 B |
| GB 2242593 | A | 19911002 | GB 912221 | A | 19910201 | 199140 |
| JP 4021265 | A | 19920124 | JP 90411795 | A | 19901220 | 199210 |
| US 5101438 | A | 19920331 | US 91645915 | A | 19910124 | 199216 |
| DE 4103229 | C2 | 19930318 | DE 4103229 | A | 19910202 | 199311 |
| GB 2242593 | B | 19940126 | GB 912221 | A | 19910201 | 199404 |

Priority Applications (No Type Date): JP 90411795 A 19901220; JP 9022144 A 19900202; JP 90159529 A 19900618

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5101438 A 14

DE 4103229 C2 17 H04N-001/415

GB 2242593 B 2 H04N-001/40

Abstract (Basic): DE 4103229 A

A digital copier (10) has a scanner (12) that has a CCD line sensor and video amplifier providing pixel **data** input to an image processor (14) coupled to a guaze- **half tone** processor (16) and a binary clear

processor (18) that provides a simple digitisation of characters.

The **data** is selected (20) and transmitted to a **printer** (22). The process is based upon the representation of image **data** in NxN blocks and an orthogonal transformation carried out to generate coefficients that may be **compared** with other values to determine if the **image** contains character or **half tone data**.

ADVANTAGE - Accurate vetrification of character or **half tone** images. (18pp Dwg.No.1/10)

Title Terms: IMAGE; PROCESS; SYSTEM; TRANSFORM; GENERATE; COEFFICIENT;
COMPARE; PROCESS; IDENTIFY; HALF; TONE; CHARACTER; ELEMENT
Derwent Class: S06; T01; W02
International Patent Class (Main): H04N-001/40; H04N-001/415
International Patent Class (Additional): **G06K-009/34** ; H04N-001/41
File Segment: EPI

19/5/48 (Item 34 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008714813 **Image available**
WPI Acc No: 1991-218832/199130
Related WPI Acc No: 1991-182822; 1991-212873
XRPX Acc No: N97-000001

Image processing appts outputting half - tone image for use in copying machine facsimile etc - has correction device which distributes difference between entered image data and average density

Patent Assignee: CANON KK (CANO)
Inventor: TANIOKA H; YAMADA Y
Number of Countries: 002 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| JP 3140061 | A | 19910614 | JP 89277256 | A | 19891026 | 199130 B |
| US 5577136 | A | 19961119 | US 90587217 | A | 19900924 | 199701 |
| | | | US 937815 | A | 19930122 | |
| | | | US 95460821 | A | 19950602 | |

Priority Applications (No Type Date): JP 89277256 A 19891026; JP 89249201 A 19890927; JP 89273840 A 19891023

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--|
| US 5577136 | A | | 25 | G06K-009/38 | Cont of application US 90587217 Cont of application US 937815 |

Abstract (Basic): JP 3140061 A

In forming chemically polymerised film on the oxidised coating film formed on valve action metal by chemical oxidn. polymerisation and forming electrolytically polymerised film on chemically polymerised film by electrolytic oxidn. polymerisation; after forming the chemically polymerised film on the oxidised coating film, inverse voltage is **impressed** on the capacitor element in chemical formation liq., and in succession, proper voltage is **impressed**.

USE/ADVANTAGE - The method is used for prepn. of capacitor with solid electrolyte of high polymer film. Initial characteristics of the condenser are improved. Short circuit defects can be reduced.

In an example A1 anode foil with oxidised coating film was soaked in pyrrole/ethanol aq. soln. for 5 mins., then soaked in 0.1 mol/l ammonium peroxydisulphate aq. soln. contg. 0.05 mol/l of tetraethyl ammonium p-toluenesulphonate for 5 mins. to form chemical oxidn. polymerised film on the oxidised coating film. The foil was rolled. The

rolled foil was put in 0.15 M-ammonium adipate aq. soln. and inverse voltage was **impressed** for 10 min., then proper voltage was **impressed**. The rolled foil was soaked in electrolyte of acetonitrile contg. 1 mol/l of pyrrole monomer and 1 mol/l of sodium p-toluenesulphonate for electrolytic oxidn. polymerisation. (4pp Dwg.No.0/0)ter

US 5577136 A

The appts includes an input device for entering image **data** of a contemplated pixel within an input image. A memory device is provided for storing already-binary converted **data** generated from the input image. A calculation device determines an average density of a predetermined area with the already-binary converted **data** by using the already-binary converted **data** without using a binary conversion prediction value of the contemplated pixel.

A binary converter converts the image **data** of the contemplated pixel, based on the average density obtained by the calculation device, and feeding back the binary **data** to the calculation device. A correction device distributes a **difference** between the entered image **data** and the average density, to the input image **data** of number other pixels within the input image with distribution factors based on a predetermined signal, for compensating for the **difference** between the entered image **data** and the average density.

USE/ADVANTAGE - For average density approximation. Provides image excellent in tonal rendition and resolving power within short time with simple hardware structure, hence high quality of image.

Dwg.4/15

Title Terms: IMAGE; PROCESS; APPARATUS; OUTPUT; HALF; TONE; IMAGE; COPY; MACHINE; FACSIMILE; CORRECT; DEVICE; DISTRIBUTE; DIFFER; ENTER; IMAGE; **DATA** ; AVERAGE; DENSITY

Derwent Class: S06; T01; W02

International Patent Class (Main): **G06K-009/38**

International Patent Class (Additional): G06F-015/68; H04N-001/40

File Segment: EPI

19/5/49 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008644847 **Image available**

WPI Acc No: 1991-148877/199120

XRPX Acc No: N91-114265

Image-based document processing system - has layered software architecture of applications programs, system services and native operating systems of hardware

Patent Assignee: UNISYS CORP (BURS)

Inventor: BENKARSKI M T; BOONE D A; CAPO J M; FORBES B K; GEORGE K A; GREEN H H; HEMMANN J G; KERN N P; PALGUT K M; RAO V V; ROGAN J D; WIKEN M

Number of Countries: 016 Number of Patents: 012

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| WO 9106052 | A | 19910502 | | | | 199120 B |
| EP 482116 | A | 19920429 | EP 90916974 | A | 19901004 | 199218 |
| US 5120944 | A | 19920609 | US 89420104 | A | 19891010 | 199226 |
| US 5206915 | A | 19930427 | US 89420090 | A | 19891010 | 199318 |
| US 5221830 | A | 19930622 | US 89420094 | A | 19891010 | 199326 |
| US 5237158 | A | 19930817 | US 89420098 | A | 19891010 | 199334 |
| US 5349170 | A | 19940920 | US 89420089 | A | 19891010 | 199437 |
| | | | US 91799749 | A | 19911122 | |
| | | | US 9321633 | A | 19930217 | |
| WO 9106052 | A3 | 19920206 | WO 90US5671 | A | 19901004 | 199510 |

| | | | | | | |
|-------------|----|----------|-------------|---|----------|--------|
| US 5708810 | A | 19980113 | US 89420100 | A | 19891010 | 199809 |
| | | | US 91806835 | A | 19911209 | |
| EP 482116 | B1 | 19981202 | EP 90916974 | A | 19901004 | 199901 |
| | | | WO 90US5671 | A | 19901004 | |
| DE 69032803 | E | 19990114 | DE 632803 | A | 19901004 | 199908 |
| | | | EP 90916974 | A | 19901004 | |
| | | | WO 90US5671 | A | 19901004 | |
| US 5874717 | A | 19990223 | US 89420094 | A | 19891010 | 199915 |
| | | | US 92928857 | A | 19920810 | |

Priority Applications (No Type Date): US 89420104 A 19891010; US 89419568 A 19891010; US 89420089 A 19891010; US 89420090 A 19891010; US 89420094 A 19891010; US 89420098 A 19891010; US 89420100 A 19891010; US 91799749 A 19911122; US 9321633 A 19930217; US 91806835 A 19911209; US 92928857 A 19920810

Cited Patents: No-SR.Pub; EP 260457; US 4264808; US 4724521; US 4734859; NoSR.Pub

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|---|---------------------------------|
| WO 9106052 | A | | 98 | | |
| | | | | Designated States (National): CA JP KR | |
| | | | | Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE | |
| EP 482116 | A E | | 98 | | Based on patent WO 9106052 |
| | | | | Designated States (Regional): DE FR GB | |
| US 5120944 | A | | 39 | G06F-015/30 | |
| US 5206915 | A | | 39 | G06K-009/00 | |
| US 5221830 | A | | 39 | G06F-015/30 | |
| US 5237158 | A | | 38 | G06F-015/30 | |
| US 5349170 | A | | 40 | G06F-015/30 | Cont of application US 89420089 |
| | | | | | Cont of application US 91799749 |
| US 5708810 | A | | 38 | G06F-013/00 | Cont of application US 89420100 |
| EP 482116 | B1 E | | | G06F-009/44 | Based on patent WO 9106052 |
| | | | | Designated States (Regional): DE FR GB IT | |
| DE 69032803 | E | | | G06F-009/44 | Based on patent EP 482116 |
| | | | | | Based on patent WO 9106052 |
| US 5874717 | A | | | G06F-015/30 | Cont of application US 89420094 |
| | | | | | Cont of patent US 5221830 |

Abstract (Basic): WO 9106052 A

The image based document processing system has several individual hardware components arranged as a platform for processing documents using document images. The system uses a layered software architecture of application programs, system services and native operating systems for hardware components. The system services are called by the application programs to provide an interface between the application programs and the native operating systems during operation.

A host processor (34) controls capturing of images by a document processor (34). Images are fed through an optical network (41) to a storage unit (40). Image work stations (50) access and enter data from stored images. Documents are **encoded** on a power **encoder** (60) for shipment.

USE/ADVANTAGE - Electronic processing of documents. Improved document processing productivity over manual processing systems.

Dwg.1/26

Title Terms: IMAGE; BASED; DOCUMENT; PROCESS; SYSTEM; LAYER; SOFTWARE; ARCHITECTURE; APPLY; PROGRAM; SYSTEM; SERVICE; NATIVE; OPERATE; SYSTEM; HARDWARE

Derwent Class: T01

International Patent Class (Main): G06F-009/44; G06F-013/00; G06F-015/30; **G06K-009/00**

International Patent Class (Additional): G06F-015/00; G06F-015/40;

G06F-017/30
File Segment: EPI

19/5/50 (Item 36 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008441363 **Image available**
WPI Acc No: 1990-328363/199044
XRPX Acc No: N90-251357

**Ink control for printer with film thickness and shade control -
photoelectrically scans printed image suctions and compares values
with tolerances for automatic control**

Patent Assignee: HEIDELBERGER DRUCKMASCH AG (HEIC); HEIDELBERGER
DRUCKMASCHINEN AG (HEIC)

Inventor: PFEIFFER N

Number of Countries: 009 Number of Patents: 008

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| DE 3913382 | A | 19901025 | DE 3913382 | A | 19890424 | 199044 B |
| EP 394681 | A | 19901031 | EP 90105665 | A | 19900326 | 199044 |
| CA 2012050 | A | 19901024 | | | | 199103 |
| US 5023812 | A | 19910611 | US 90513929 | A | 19900424 | 199126 |
| CA 2012050 | C | 19931207 | CA 2012050 | A | 19900313 | 199404 |
| EP 394681 | B1 | 19950201 | EP 90105665 | A | 19900326 | 199509 |
| DE 59008391 | G | 19950316 | DE 508391 | A | 19900326 | 199516 |
| | | | EP 90105665 | A | 19900326 | |
| DE 3913382 | C2 | 19951214 | DE 3913382 | A | 19890424 | 199603 |

Priority Applications (No Type Date): DE 3913382 A 19890424

Cited Patents: A3...9126; DE 3440706; EP 196431; EP 228347; EP 89016;

NoSR.Pub; EP 324718

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|-----------|---|--|--|--|--|
| EP 394681 | A | | | | |
|-----------|---|--|--|--|--|

Designated States (Regional): CH DE FR GB IT LI SE

| | | | | | |
|-----------|----|---|----|-------------|--|
| EP 394681 | B1 | G | 14 | B41F-033/00 | |
|-----------|----|---|----|-------------|--|

Designated States (Regional): CH DE FR GB IT LI SE

| | | | | | |
|-------------|---|--|--|-------------|---------------------------|
| DE 59008391 | G | | | B41F-033/00 | Based on patent EP 394681 |
|-------------|---|--|--|-------------|---------------------------|

| | | | | | |
|------------|----|--|----|-------------|--|
| DE 3913382 | C2 | | 10 | B41F-033/10 | |
|------------|----|--|----|-------------|--|

| | | | | | |
|------------|---|--|--|-------------|--|
| CA 2012050 | C | | | B41F-033/16 | |
|------------|---|--|--|-------------|--|

Abstract (Basic): DE 3913382 A

A **printed** image is scanned photoelectrically over a number of regions and the measurement values processed with desired values to form control values for ink delivery. The shade increases at an actual and a desired position are computed from the measurement values.

When the shade increase at the desired position lies outside a defined tolerance range, film thickness limits corresp. to the maximum and minimum tolerable shade increase are defined and used to define a new desired position.

USE/ADVANTAGE - For automatic **print** machine ink delivery control whilst ensuring optimal **print** quality. (10pp Dwg.No.1/4)

Title Terms: INK; CONTROL; **PRINT** ; FILM; THICK; SHADE; CONTROL;

PHOTOELECTRIC; SCAN; **PRINT** ; IMAGE; SUCTION; COMPARE; VALUE; TOLERANCE; AUTOMATIC; CONTROL

Derwent Class: P74; Q36; S03; S06

International Patent Class (Main): B41F-033/00; B41F-033/10; B41F-033/16

International Patent Class (Additional): B65H-033/00; G01J-003/50;

G01N-021/84; G06K-015/00
File Segment: EPI; EngPI

19/5/51 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007549239 **Image available**
WPI Acc No: 1988-183171/198826
XRPX Acc No: N88-139975

**Optical character reader for symbols printed on sheet - has sheet
detection indicating that image formation picture is positioned to
completely mate with sheet**

Patent Assignee: SUMITOMO ELECTRIC IND CO (SUME)

Inventor: ISHINO H

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 4751743 | A | 19880614 | US 85771586 | A | 19850903 | 198826 B |

Priority Applications (No Type Date): US 85771586 A 19850903; US 84608089 A
19840508

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|----------|--------------|
| US 4751743 | A | | 5 | | |

Abstract (Basic): US 4751743 A

The optical character reader digitises analog electrical signals obtained by scanning through an image sensor characters or symbols entered on a sheet so that a discrimination circuit recognises the characters on the basis of the digital signals. The discrimination circuit is controlled by sheet detection signals for indicating that the image-formation picture of the image sensor is positioned so as to completely mate with the sheet. The characters are read only when the image-formation picture is positioned so as to completely mate with the sheet.

In order to detect that the image-formation picture is positioned so as to completely mate with the sheet, a base having a reflection factor lower than that of the sheet is used for fixing the sheet so as to utilise a **difference** between the reflection factors of the sheet and the **base**. Thus, when the **image** -formation **picture** is positioned even in part corresponding to the base, a form detection signal is adapted so that the discrimination circuit does not mistakenly read the edge of the sheet.

ADVANTAGE - Enables reliable reading of only objective characters on sheet.

8/8

Title Terms: OPTICAL; CHARACTER; READ; SYMBOL; **PRINT** ; SHEET; SHEET;
DETECT; INDICATE; IMAGE; FORMATION; PICTURE; POSITION; COMPLETE; MATE;
SHEET

Index Terms/Additional Words: OPT

Derwent Class: T04

International Patent Class (Additional): G06K-009/22

File Segment: EPI

19/5/52 (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004796190

WPI Acc No: 1986-299531/198646

XRPX Acc No: N86-223880

Half - tone colour separation film registering for photograph printing
- has movements controlled by algorithmic computations based on data
extracted from pictures by digital camera

Patent Assignee: OPTI-COPY INC (OPTI-N)

Inventor: ANDERSON F W; BENDURE W J; WILSON M R

Number of Countries: 018 Number of Patents: 010

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| EP 200814 | A | 19861112 | EP 85112890 | A | 19851011 | 198646 B |
| NO 8601076 | A | 19861027 | | | | 198650 |
| FI 8601299 | A | 19861006 | | | | 198703 |
| US 4641244 | A | 19870203 | US 85720255 | A | 19850405 | 198707 |
| DK 8601537 | A | 19861006 | | | | 198708 |
| CN 8507228 | A | 19861001 | | | | 198729 |
| CA 1247533 | A | 19881228 | | | | 198905 |
| EP 200814 | B | 19910116 | | | | 199103 |
| DE 3581401 | G | 19910221 | | | | 199109 |
| IL 76500 | A | 19910131 | | | | 199111 |

Priority Applications (No Type Date): US 85720255 A 19850405

Cited Patents: 1.Jnl.Ref; DE 2600901; EP 124098; EP 55939; US 3873202; US
4018528; WO 8303516

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|-----------|---|---|----|--|--|
| EP 200814 | A | E | 78 | | |
|-----------|---|---|----|--|--|

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

| | | | | | |
|-----------|---|--|--|--|--|
| EP 200814 | B | | | | |
|-----------|---|--|--|--|--|

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): EP 200814 A

A digital picture is taken of two register points on each separation film, and the pictures are analysed by algorithmic process in order to calculate the movement necessary to register the **half tone** picture details. Based on the calculations, the films are punched to provide a pair of register holes in each film at locations which result in registration when the holes are aligned on register pins during the final reproduction process.

The algorithmic process involves determining the **halftone** screen angle average interdot spacing and fractional area occupied by each **halftone** tone dot within its **half tone** cell and using this **data** to construct a continuous tone picture. The latter is interpolated to a registration picture which is a 150 line screen picture square with the raw **data** picture. Edge enhancement and tone normalisation algorithms are used prior to registration. The final machine movements to achieve registration are computed from an algorithm - registers all points of the pictures from translational move **data** at two points.

USE/ADVANTAGE - For **printing** high quality colour photographs e.g. in magazines. Highly accurate. Machine can work from picture detail if register marks are inaccurate or missing.

Title Terms: HALF; TONE; COLOUR; SEPARATE; FILM; REGISTER; PHOTOGRAPH;
PRINT ; MOVEMENT; CONTROL; ALGORITHM; COMPUTATION; BASED; **DATA** ; EXTRACT
; PICTURE; DIGITAL; CAMERA

Derwent Class: P74; P75; P82; P84; S06

International Patent Class (Additional): B41C-001/12; B41M-001/14;
G03B-027/53; G03F-003/00; G03F-007/00; G03F-009/00; G06F-015/46;
G06K-000/00 ; H04N-001/40; H04N-007/18

File Segment: EPI; EngPI

19/5/53 (Item 39 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004785852

WPI Acc No: 1986-289193/198644

Half - tone **reproduce method for thermal printing - uses pixel
parallel comparator and parallel register to convert image
information to bit information NoAbstract Dwg 3/4**

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 61212965 | A | 19860920 | JP 8553712 | A | 19850318 | 198644 B |

Priority Applications (No Type Date): JP 8553712 A 19850318

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-------------|------|--------|----------|--------------|
| JP 61212965 | A | 7 | | |

Title Terms: HALF; TONE; REPRODUCE; METHOD; THERMAL; **PRINT ; PIXEL;
PARALLEL; COMPARATOR; PARALLEL; REGISTER; CONVERT; IMAGE; INFORMATION ;
BIT; INFORMATION ; NOABSTRACT**

Derwent Class: P75; T04; W02

International Patent Class (Additional): B41J-003/20; **G06K-015/00 ;
H04N-001/40**

File Segment: EPI; EngPI

19/5/54 (Item 40 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003787902

WPI Acc No: 1983-784130/198341

XRPX Acc No: N83-179136

Half - tone **image processor for recording and display - has image data
input stage, with converters to analog and digital image output signals
respectively**

Patent Assignee: CANON KK (CANO)

Inventor: KADOWAKI H; KAWAMURA N

Number of Countries: 005 Number of Patents: 013

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| DE 3312273 | A | 19831006 | | | | 198341 B |
| FR 2524744 | A | 19831007 | | | | 198345 |
| JP 58173972 | A | 19831012 | JP 8989130 | A | 19890000 | 198347 |
| JP 58173973 | A | 19831012 | | | | 198347 |
| GB 2120896 | A | 19831207 | GB 8523272 | A | 19850920 | 198349 |
| GB 2163318 | A | 19860219 | GB 839174 | A | 19830405 | 198608 |
| GB 2120896 | B | 19870128 | | | | 198704 |
| GB 2163318 | B | 19870325 | | | | 198712 |
| US 4783837 | A | 19881108 | US 86881492 | A | 19860701 | 198847 |
| JP 2007667 | A | 19900111 | | | | 199008 |
| DE 3312273 | C | 19900621 | | | | 199025 |
| US 5666444 | A | 19970909 | US 83480823 | A | 19830331 | 199742 |
| | | | US 86881492 | A | 19860719 | |
| | | | US 88152024 | A | 19880203 | |

| | | | | | | |
|------------|---|----------|-------------|---|----------|--------|
| | | | US 92833649 | A | 19920205 | |
| | | | US 94326343 | A | 19941020 | |
| | | | US 95476683 | A | 19950607 | |
| US 5712929 | A | 19980127 | US 83480823 | A | 19830331 | 199811 |
| | | | US 86881492 | A | 19860701 | |
| | | | US 88152024 | A | 19880203 | |
| | | | US 92833649 | A | 19920205 | |
| | | | US 94326343 | A | 19941020 | |

Priority Applications (No Type Date): JP 8256965 A 19820406; JP 8256964 A 19820406; JP 8989130 A 19890000

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|---|
| DE 3312273 | A | | 62 | | |
| US 5666444 | A | | 31 | G06K-009/38 | Cont of application US 83480823 Div ex application US 86881492 Cont of application US 88152024 Cont of application US 92833649 Div ex application US 94326343 Div ex patent US 4783837 |
| US 5712929 | A | | 32 | G06K-009/38 | Cont of application US 83480823 Div ex application US 86881492 Cont of application US 88152024 Cont of application US 92833649 Div ex patent US 4783837 |

Abstract (Basic): DE 3312273 A

The image processor improves the resolution of the recorded or reproduced **half - tone** image both for a laser beam or ink jet **printers** . The image processor has an input stage for the image **data** and two converters, one for converting the input image **data** into an analog image output signal, and the second one for converting the image input **data** into a digital image output s signal.

Pref. the first converter controls the analog signal in coincidence with the output signal of the second converter. The latter may transmit different digital signals in coincidence with the input **image data** . It may contain a threshold value matrix for **comparison** with the input **image data** . Several such matrices may be provided for generating the different digital signals. The second converter may contain a **comparator** for simultaneous **comparison** of the input **image data** with several threshold value matrices.

0/29

Title Terms: HALF; TONE; IMAGE; PROCESSOR; RECORD; DISPLAY; IMAGE; **DATA** ; INPUT; STAGE; CONVERTER; ANALOGUE; DIGITAL; IMAGE; OUTPUT; SIGNAL; RESPECTIVE

Index Terms/Additional Words: FACSIMILE; TRANSMISSION; JET; PRINT

Derwent Class: P75; T04; W02

International Patent Class (Main): **G06K-009/38**

International Patent Class (Additional): B41J-002/00; B41J-003/04;

G06K-009/00 ; G06K-015/10 ; H04N-001/00

File Segment: EPI; EngPI

19/5/55 (Item 41 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001517395

WPI Acc No: 1976-J0330X/197636

Boolean coded point array manipulating appts. - combines base image

with sequence subject to selective size translation changes

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Number of Countries: 006 Number of Patents: 006

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|------|----------|
| US 3976982 | A | 19760824 | | | | 197636 B |
| DE 2620217 | A | 19761201 | | | | 197650 |
| FR 2311463 | A | 19770114 | | | | 197710 |
| GB 1537328 | A | 19781229 | | | | 197901 |
| CA 1049167 | A | 19790220 | | | | 197910 |
| IT 1067518 | B | 19850316 | | | | 198528 |

Priority Applications (No Type Date): US 75576931 A 19750512

Abstract (Basic): US 3976982 A

Image manipulations are performed upon black/white images by logically combining a base image stored in an accumulating memory with a sequence from another raster source subject to selective size and translation changes. The data must be in non-compressed form, and the processed data must not fall outside a memory space originally occupied by the base image in the memory. Optionally, the function of magnification/vinification may be performed separately from the other image manipulations. This can be done by placing the magni/minifier between the external image source and a network which logically combines the serial information from the external source with the serially **extracted base image** information stored in the accumulating memory.

Title Terms: BOOLEAN; **CODE** ; POINT; ARRAY; MANIPULATE; APPARATUS; COMBINATION; BASE; IMAGE; SEQUENCE; SUBJECT; SELECT; SIZE; TRANSLATION; CHANGE

Derwent Class: P85; T01; T04; W02; W03; W04

International Patent Class (Additional): G06F-015/20; **G06K-015/20** ;

G09F-009/32; H04M-000/00; H04N-001/40; H04N-005/22

File Segment: EPI; EngPI

| Set | Items | Description |
|------|------------------------------------|---|
| S1 | 3828630 | HASH? OR ENCRYPT? OR ENCRYPT? OR CRYPTO? OR CRIPTO? OR KEY? ? OR ENCIPHER? OR DECOD? OR ENCOD? OR DECRYPT? |
| S2 | 24935195 | LEVEL? ? OR TYPE? ? OR GRADE? ? |
| S3 | 4677548 | PAY? |
| S4 | 1270478 | IMAGE? ? OR INDICIA OR INDICIUM |
| S5 | 3758577 | COMPAR? |
| S6 | 1916717 | EXTRACT? OR DIFFERENCE? |
| S7 | 41452 | S1(3N)S2 |
| S8 | 95 | S7(3N)S4 |
| S9 | 299 | S7(7N)S3 |
| S10 | 3 | S9(20N)S6 |
| S11 | 3 | S7(20N)S3(20N)S4 |
| S12 | 7892 | S4(3N)S5 |
| S13 | 217 | S12(15N)S6 |
| S14 | 7 | S13(S)S1 |
| S15 | 76 | S12(5N)S6 |
| S16 | 184 | S8 OR S10 OR S11 OR S14 OR S15 |
| S17 | 139 | S16 NOT PY>2000 |
| S18 | 113 | S17 NOT PD=20000525:20040910 |
| S19 | 82 | RD (unique items) |
| File | 9:Business & Industry(R) | Jul/1994-2004/Sep 09 (c) 2004 The Gale Group |
| File | 15:ABI/Inform(R) | 1971-2004/Sep 10 (c) 2004 ProQuest Info&Learning |
| File | 16:Gale Group PROMT(R) | 1990-2004/Sep 10 (c) 2004 The Gale Group |
| File | 148:Gale Group Trade & Industry DB | 1976-2004/Sep 09 (c)2004 The Gale Group |
| File | 160:Gale Group PROMT(R) | 1972-1989 (c) 1999 The Gale Group |
| File | 275:Gale Group Computer DB(TM) | 1983-2004/Sep 10 (c) 2004 The Gale Group |
| File | 621:Gale Group New Prod.Annou.(R) | 1985-2004/Sep 09 (c) 2004 The Gale Group |
| File | 636:Gale Group Newsletter DB(TM) | 1987-2004/Sep 10 (c) 2004 The Gale Group |

19/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

2012994 Supplier Number: 02012994 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Sony encoder targets consumer market
(While others design multichip MPEG-2 encoders for professional-broadcast market, Sony Semiconductor Co of America is aiming its single-chip product at consumer)
Electronic Buyers News, p 17
December 08, 1997
DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 392

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...at half-pixel accuracy.

The chip supports Main Profile@ Main Level and Simple Profile@ Main Level with NTSC- **encoded image** sizes up to 720x480 pixels at 30 frames per second or PAL-encoded images at...

19/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02332778 86064239
Edge inspection in automatic stitching
Crispin, A J; Pokric, B; Rankov, M; Reedman, D; Taylor, G E
International Journal of Clothing Science & Technology v12n4 PP: 265-278
2000
ISSN: 0955-6222 JRNL CODE: CST
WORD COUNT: 2880

...TEXT: a laser triangulation based vision system; Figure 1.; Laser line triangulation; Figure 2.; Captured grey- **level image** with **key** distances marked; Figure 3.; Centre pixel line of laser obtained using binary segmentation and boundary...

19/3,K/3 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02014423 52780923
An exploration of cross-cultural destination image assessment
MacKay, Kelly J; Fesenmaier, Daniel R
Journal of Travel Research v38n4 PP: 417-423 May 2000
ISSN: 0047-2875 JRNL CODE: JTR
WORD COUNT: 4098

...TEXT: cross-cultural comparison. Results from this example illustrate how there can be both commonalities and **differences** between two cultural groups. In terms of number of dimensions underlying the **image comparisons**, a three-dimensional solution for the Taiwanese group and a two-dimensional solution for the...

... of spirituality included the unknown, whereas the Eastern perception included the known. This provides a **key** example of how a dimension such as water can be differentially constituted and evaluated, and...

19/3,K/4 (Item 3 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01865112 05-16104

The development of an automatic post-sawing inspection system using computer vision techniques

Zhang, Jiun-Ming; Lin, Ruey-Ming; Wang, Mao-Jiun J

Computers in Industry v40n1 PP: 51-60 Sep 1999

ISSN: 0166-3615 JRNL CODE: CII

...ABSTRACT: defect detection includes sawing defects and pad defects. By adopting the reference method, some features **extracted** from the reference **image** are used to **compare** with an inspecting **image**. The experiment results showed that the recognition rate of sawing defect and pad defect was...

19/3,K/5 (Item 4 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01797880 04-48871

ImageCast 3.0: Microhouse

Lawson, Karen

Information Technology & Libraries v18n1 PP: 43-44 Mar 1999

ISSN: 0730-9295 JRNL CODE: JLA

WORD COUNT: 1053

...TEXT: NAL). By taking before and after snapshots of the Windows 95/NT system and then **comparing differences**, an application **image** can be created. This image can then be delivered to other computers using either stand...

19/3,K/6 (Item 5 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01757641 04-08632

WebTrends strengthens feature-complete suite

Kvitka, Andrew

InfoWorld v21n3 PP: 50 Jan 18, 1999

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 464

...TEXT: are filtering options that helped focus the scope of my analysis by excluding URLs, file **types**, or **images**.

A **key** component is the Monitoring, Alerting, and Recovery cartridge. WebTrends pings a device and reports on...

19/3,K/7 (Item 6 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01755274 04-06265

ADC delivers for United States Postal Service

Anonymous

Automatic I.D. News v15n1 PP: 26 Jan 1999

ISSN: 0890-9768 JRNL CODE: AIN

WORD COUNT: 546

...TEXT: Grumman, the AFSM 100 system will feed mail through automated stations, read bar codes, acquire **images** of script and **typed** mail for video **encoding** and process mail using optical character recognition technology Terminal rollout continues

Timely tlas king of...

19/3,K/8 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01414766 00065753

Motion interpretation by analyzing difference images

Choi, Hyung-Il; Kim, Gye-Young

Journal of Systems Architecture v43n1-5 PP: 307-316 Mar 1997

ISSN: 1383-7621 JRNL CODE: EUJ

ABSTRACT: Motion information is **extracted** from **difference** images. A **difference image**, formed by **comparing** gray-levels of 2 contiguous frames, contains moving areas. These moving areas are due to...

19/3,K/9 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01056016 97-05410

An industrial model based computer vision system

Magee, Michael; Seida, Steven

Journal of Manufacturing Systems v14n3 PP: 169-186 1995

ISSN: 0278-6125 JRNL CODE: JMY

WORD COUNT: 10707

...TEXT: to recognizing object parts, the flow of data through the MBV system consists primarily of **extracting** feature sets from an **image** followed by a **comparison** step that attempts to match combinations of the acquired features against those of known models...

...four-step process that includes the following:

Step 1. Acquiring a new image

Step 2. **Extracting** features from the **image**

Step 3. **Comparing** similar triangles composed of image-feature triplets in an attempt to match possible model-feature...

19/3,K/10 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00953591 96-02984

Automated software testing

Parker, Tim

UNIX Review v13n1 PP: 49-56 Jan 1995

ISSN: 0742-3136 JRNL CODE: UXR

WORD COUNT: 3029

...TEXT: steps, which can be a useful feature for complex applications. Another utility called EXDIFF handles **comparisons** of bitmapped **images**, producing a display of the **difference** between two images.

Most aspects of the STW/Regression system are managed through a master...

19/3,K/11 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00946247 95-95639

Editing images of text

Bagley, Steven C; Kopec, Gary E

Communications of the ACM v37n12 PP: 63-72 Dec 1994

ISSN: 0001-0782 JRNL CODE: ACM

WORD COUNT: 6229

...TEXT: interactively binding keys to character images drawn from an existing text document. When the user **types** a **key** in teach mode **Image** EMACS binds a copy of the character under the cursor to the key and advances...

19/3,K/12 (Item 11 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00652248 93-01469

Creating Tomorrow's Multimedia Systems Today

Englander, Arnold C.; Rosen, Kenneth H.

AT&T Technology v7n3 PP: 24-30 Fall 1992

ISSN: 0889-8979 JRNL CODE: ATT

WORD COUNT: 2506

...TEXT: Bi-level Imaging Group (JBIG), resulted from several AT&T contributions and is used to **encode** and compress bi- level **images**, such as black-and-white drawings or pages of text.

The second standard, Photographic Experts...

19/3,K/13 (Item 12 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00028565 75-06970

NEWS LIBRARIANS RUSTLE UP ELECTRONIC ACTION

HEALEY, G. B.

EDITOR & PUBLISHER V108 N25 PP: 29 JUNE 21, 1975

ISSN: 0013-094X JRNL CODE: EDP

ABSTRACT: THROUGH SOME TYPE OF KEY STROKE AND IMAGE SYSTEM TECHNOLOGY, LIBRARY PERSONNEL ARE EAGERLY SEEKING MORE OF A SHARE IN THE RESEARCHING OF...

19/3,K/14 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

06849766 Supplier Number: 57893016 (USE FORMAT 7 FOR FULLTEXT)

An Impressive Spread.(Technology Information)

MAHONEY, DIANA PHILLIPS

Computer Graphics World, v22, n11, p16

Nov, 1999

Language: English Record Type: Fulltext Abstract

Document Type: Magazine/Journal; Trade

Word Count: 1469

... the pairs of images in another cell, as a function of the application."

The resulting **comparative images** will depict the pixelized **differences** between the pairs, and thus might be "noisy." The user can then fine-tune the...

19/3,K/15 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

06370275 Supplier Number: 54736950 (USE FORMAT 7 FOR FULLTEXT)

VCI Introduces Internet Applications Free for the Family and Internet

Veteran: An Easiest-to-Use Web Design Application and a Search Engine with a Brain.

Business Wire, p1254

May 27, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 748

... information based on the kinds of links available, whether they're audio, video, text or **image**. Users simply **type** in **key** words for a complete search or use a directory, and choose their medium. Then with...

19/3,K/16 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

06212012 Supplier Number: 54181871 (USE FORMAT 7 FOR FULLTEXT)

VCI Introduces Search by Media, a Search Engine with a Brain Ending the

Frustrations of Traditional Text-Based Search Engines.

PR Newswire, p0374

March 23, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 427

... information based on the kinds of links available, whether they're audio, video, text or **image**. Users simply **type** in **key** words for a

complete search or use a directory, and choose their medium. Then with...

19/3,K/17 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

06084948 Supplier Number: 53603786 (USE FORMAT 7 FOR FULLTEXT)
Review: WebTrends strengthens feature-complete suite.(WebTrends Enterprise Suite, Marketwave Hit List, and net.Genesis' net.Analysis) (Evaluation)
Kvitka, Andre
InfoWorld, v21, n3, p50(1)
Jan 18, 1999
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 539

... are filtering options that helped focus the scope of my analysis by excluding URLs, file **types**, or **images**.

A **key** component is the Monitoring, Alerting, and Recovery cartridge. WebTrends pings a device and reports on...

19/3,K/18 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05641661 Supplier Number: 50087471 (USE FORMAT 7 FOR FULLTEXT)
Scantek Amends South American Distribution Agreement.
Business Wire, p06181156
June 18, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 432

... chemical heat sensors which are easily inserted inside the bra. The BreastCare* product detects heat **differences** by **comparing** mirror **image** segments of the two breasts.

An elevated temperature differential of two degrees Fahrenheit or more
...

19/3,K/19 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05544384 Supplier Number: 48404323 (USE FORMAT 7 FOR FULLTEXT)
NDS Continues First to Market 4:2:2 Successes with New ATSC-Ready MPEG 4:2:2 Broadcasting Solutions.
Business Wire, p4060018
April 6, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1008

... 2:2 applications in satellite and terrestrial broadcast operation.

NDS' 4:2:2 receivers and **decoders** provide new **levels** of **image** quality for the professional, delivered with highly bit rate efficient 8PSK

satellite modulation to allow...

19/3,K/20 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05369686 Supplier Number: 48165869 (USE FORMAT 7 FOR FULLTEXT)
Sony encoder targets consumer market -- Single-chip MPEG-2 device intended for DVD authoring
Hachman, Mark
Electronic Buyers' News, p017
Dec 8, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 402

... at half-pixel accuracy.
The chip supports Main Profile@ Main Level and Simple Profile@ Main Level with NTSC- encoded image sizes up to 720x480 pixels at 30 frames per second or PAL-encoded images at...

19/3,K/21 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05157340 Supplier Number: 47871342
Novell Improves Decision-making, Responsiveness and Competitiveness for Networked Enterprises
PR Newswire, p0730SFW031
July 30, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1406

... integration with NDS provides the necessary security information, such as user IDs, public and private keys, approval levels and signature images, in a central enterprise-wide storage area. Security is installed as a 32-bit snap...

19/3,K/22 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04736593 Supplier Number: 46972548 (USE FORMAT 7 FOR FULLTEXT)
Virage Inks Licensing Deals for Visual Information Retrieval Technology with Three Multimedia Companies; Pioneer in Visual Search and Retrieval Continues to Set the Standard for Solutions Combining Images and Databases.
Business Wire, p12160162
Dec 16, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 658

... content and find images that look similar. The Virage VIR Image Engine analyzes an image, extracts its visual features, and compares it with other images to quantify similarity. The VIR Image Engine actually

| Set | Items | Description |
|-----|---------|---|
| S1 | 545624 | HASH? OR ENCRYPT? OR ENCRYPT? OR CRYPTO? OR CRIPTO? OR KEY? ? OR ENCIPHER? OR DECOD? OR ENCOD? OR DECRYPT? |
| S2 | 2694383 | LEVEL? ? OR TYPE? ? OR GRADE? ? |
| S3 | 51776 | PAY? |
| S4 | 1219697 | IMAGE? ? OR INDICIA OR INDICIUM |
| S5 | 953278 | COMPAR? |
| S6 | 994795 | EXTRACT? OR DIFFERENCE? |
| S7 | 9991 | S1(3N)S2 |
| S8 | 460 | S7(20N)(S3 OR S4) |
| S9 | 15 | S7(10N)S3 |
| S10 | 312 | S7(7N)S4 |
| S11 | 2 | S10(20N)(VARY OR VARIED OR VARIOUS) |
| S12 | 196 | S7(3N)S4 |
| S13 | 7 | S12 AND IC=H04L? |
| S14 | 22 | S13 OR S9 |
| S15 | 19102 | S5(4N)S4 |
| S16 | 1061 | S15(5N)S6 |
| S17 | 61 | S16 AND S1 |
| S18 | 5 | S16 AND IC=(H04K-001? OR H04L-009?) |
| S19 | 3 | S12 AND IC=H04K-001? |
| S20 | 0 | S12 AND IC=G06F-017/60 |

? show file

File 344:Chinese Patents Abs Aug 1985-2004/May

(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/May(Updated 040903)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200457

(c) 2004 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

(c) 2002 INPI. All rts. reserv.

14/5/1 (Item 1 from file: 344)

DIALOG(R)File 344:Chinese Patents Abs

(c) 2004 European Patent Office. All rts. reserv.

4437663

Financial card paying telecommunication method and system for wireless non-encryption POS machine

Patent Assignee: HUANG JINFU (CN)

Author (Inventor): JINFU HUANG (CN)

Number of Patents: 000

Patent Family:

| CC Number | Kind | Date |
|------------|------|------------------|
| CN 1467664 | A | 20040114 (Basic) |

Application Data:

| CC Number | Kind | Date |
|----------------|------|----------|
| *CN 2002123934 | A | 20020711 |

Abstract: A financial card payment telecommunication method and system using active type non-encrypted card-reading machine, the system includes financial card, card reading machine, card issuing bank computersystem, multi card combination computer system and card acceptance bank computer system, characterized by that, a client confirmation payment secrecy system is arranged in or controlled separately bythe card issuing computer system, wherein the financial card owner's name, card number and confirmation communication means are stored in. The card reading machine may not contain the transaction information encryption program, the card reading payment request information will go through the card acceptance bank computer system, the multi card combination computer system and the card issuing bankcomputer system, arriving the financial card owner, after the confirmation by the card owner communication means, the information will return to the card reading machine through a reversed path, thscompleting the transaction, otherwise the transaction can not be carried on. The invention greatly reduces the system cost and is safe and reliable.

14/5/2 (Item 2 from file: 344)

DIALOG(R)File 344:Chinese Patents Abs

(c) 2004 European Patent Office. All rts. reserv.

4437662

Financial card paying telecommunication method and system for active non-encryption POS machine

Patent Assignee: HUANG JINFU (CN)

Author (Inventor): JINFU HUANG (CN)

Number of Patents: 000

Patent Family:

| CC Number | Kind | Date |
|------------|------|------------------|
| CN 1467663 | A | 20040114 (Basic) |

Application Data:

| CC Number | Kind | Date |
|----------------|------|----------|
| *CN 2002123933 | A | 20020711 |

Abstract: A financial card payment telecommunication method and system using active type non-encrypted card-reading machine, the system includes financial card, card reading machine, card issuing bank computersystem, multi card combination computer system, card acceptance bank computer system, characterized by that, the card reading machine may not contain the transaction information encryption program, during the payment, the card owner first sends the shop code, card number, cipher and the agreed payment information of the transaction sum to the card issuing bank computer system, then gives the cardto the shopper

for card reading, the card reading payment request information will go through the card acceptance bank computer system and the multi card combination computer system, arriving the card issuing bank computer system for a quick checking, if the checking result conforms, the payment confirmation information will be sent back and completing the transaction, otherwise the transaction can not be carried on. The method by the invention safe and reliable thus is beneficial for the transaction.

14/5/3 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

07553159 **Image available**

IMAGE MONITORING SYSTEM, MONITORED IMAGE DISTRIBUTING METHOD THEREFOR AND CAMERA THEREFOR USING NETWORK

PUB. NO.: 2003-046999 [JP 2003046999 A]

PUBLISHED: February 14, 2003 (20030214)

INVENTOR(s): ISHII YASUO

APPLICANT(s): TOSHIBA CORP

APPL. NO.: 2001-230310 [JP 2001230310]

FILED: July 30, 2001 (20010730)

INTL CLASS: H04N-007/18; H04L-012/56 ; H04N-005/225; H04N-007/173

ABSTRACT

PROBLEM TO BE SOLVED: To identify an IP address without giving the IP address to each of a compression encoding means (ENC) when a plurality of types of ENCs which are provided in each of a plurality of camera terminals to decide image quality in an image monitoring system using a network.

SOLUTION: The system is provided with a plurality of camera terminals (CAMT) 20a-20n which are each arranged in a distribution way and connected each other by a network(NW) 6, are each provided with an unique address (Add1) for identification on the NW, and have a camera (CMA) 2 each for photographing an image of a monitoring object to obtain an **image** signal; a plurality **types** of **encoding** means 4a-4n which are provided for each CAMT, have a unique virtual address (Add2) each, and apply encoding processing of different image quality to an image signal from the CAM of the CAMT each and output the signal; and a means 30 which is provided in each CAMT, upon receiving a connection request specifying the Add1 and Add2 from a request source, when the Add1 corresponds to the CAMT to which the means 30 itself belongs to, transmitting encoding-processed output obtained by the corresponding ENC specified by the Add2 onto the NW in order to send this output to the request source as an image signal.

COPYRIGHT: (C)2003,JPO

14/5/4 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

07243814 **Image available**

TRANSMITTING APPARATUS AND METHOD FOR MOVING PICTURE ENCODED DATA

PUB. NO.: 2002-112265 [JP 2002112265 A]

PUBLISHED: April 12, 2002 (20020412)

INVENTOR(s): HATA KOICHI

MIYAZAKI AKIHIRO

IMURA KOJI
IDO TAIJI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2000-334854 [JP 2000334854]
FILED: November 01, 2000 (20001101)
PRIORITY: 2000-222267 [JP 2000222267], JP (Japan), July 24, 2000
(20000724)
INTL CLASS: H04N-007/24; H03M-007/30; **H04L-012/56** ; H04N-007/173

ABSTRACT

PROBLEM TO BE SOLVED: To provide a transmitting apparatus that transmits moving picture encoded data within a range of an allowable transmission capacity without largely deteriorating the image quality of a reproduced image.

SOLUTION: A buffer 16 stores video packets 41 obtained by dividing moving picture encoded data in compliance with the MPEG4. Detection sections 11, 12, 13 respectively detect an **image encoded type** 51, the number of inert-image encoded images 52 and the number of in-image encoded blocks 53 as the attribute of each video packet 41. A priority calculation section 14 calculates a priority 54 of each video packet on the basis of the detected attribute. A transmission discrimination section 15 selects video packets according to the priority 54 within a range of an allowable transmission capacity. An RTP(Real time Transport Protocol) transmission section 83 transmits only the video packets 42 selected by the transmission discrimination section 15.

COPYRIGHT: (C)2002,JPO

14/5/5 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06898633 **Image available**
CASH REGISTER

PUB. NO.: 2001-126143 [JP 2001126143 A]
PUBLISHED: May 11, 2001 (20010511)
INVENTOR(s): MAKIMOTO HIROSHI
APPLICANT(s): TERAOKA SEIKO CO LTD
APPL. NO.: 11-301759 [JP 99301759]
FILED: October 22, 1999 (19991022)
INTL CLASS: G07G-001/12

ABSTRACT

PROBLEM TO BE SOLVED: To provide a cash register capable of setting the existence/absence of the opening/closing of a drawer individually for every closing key and opening a drawer if necessary.

SOLUTION: This cash register which is provided with a plurality of **types** of closing **keys** in accordance with various **paying** methods and can adjust purchased commodities that are registered by the operation of a closing key, is provided with a drawer opening setting means which sets the existence/ absence of drawer opening at a time when the closing key is operated for every the closing key and a drawer controlling means which opens the drawer when set data corresponding to a key is 'drawer opening exists' when any key is operated among the plurality of types of closing keys. The register is also provided with an automatic change machine that can receive and pay coins and can pay in accordance with an operation. The register can set the existence/absence of the drawer opening at a time when the key is operated for a key having a drawer opening function except the

closing keys.

COPYRIGHT: (C)2001,JPO

14/5/6 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

05661319 **Image available**

PAY -OUT TYPE KEY HOLDER

PUB. NO.: 09-276119 [JP 9276119 A]
PUBLISHED: October 28, 1997 (19971028)
INVENTOR(s): FUJIO FUTOSHI
APPLICANT(s): FUJIO FUTOSHI [000000] (An Individual), JP (Japan)
APPL. NO.: 08-120756 [JP 96120756]
FILED: April 08, 1996 (19960408)
INTL CLASS: [6] A47G-029/10
JAPIO CLASS: 31.9 (PACKAGING -- Other)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an easily handleable key holder for preventing sound from being made by connected key abutting each other, hesitation over taking out a required key and the key from easily falling.

SOLUTION: The several pieces of rotary type plates 3 are attached to a key holder main body composed of two plates 1 and 2 in a state rotatable only in a fixed direction and the keys are fixed to the respective plates by a method not using a tool.

14/5/7 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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04427719 **Image available**

OPERATION CONTROLLER FOR VENEER CUTTING MACHINE

PUB. NO.: 06-071619 [JP 6071619 A]
PUBLISHED: March 15, 1994 (19940315)
INVENTOR(s): NAGASAWA KIYOSHI
KONDO SATONORI
INUZUKA KAZUO
APPLICANT(s): HASHIMOTO DENKI CO LTD [401535] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-222012 [JP 92222012]
FILED: July 28, 1992 (19920728)
INTL CLASS: [5] B27L-005/08; B26D-005/30
JAPIO CLASS: 25.2 (MACHINE TOOLS -- Cutting & Grinding)
JAPIO KEYWORD:R002 (LASERS)
JOURNAL: Section: M, Section No. 1622, Vol. 18, No. 317, Pg. 46, June 16, 1994 (19940616)

ABSTRACT

PURPOSE: To remarkably enhance a product yield in a veneer cutting process and a product quality.

CONSTITUTION: On an appropriate part of a conveyor 2a, a manual pay-out linear encoder 7 and a travel mark emitter 9 internally provided with a light source 5, such as a laser emitter, remotely controlled by the linear

encoder 7 are provided. Furthermore, to the tip end of a **pay** -out wire 7a of the liner **encoder** 7, a pencil- **type** pushbutton 8 for transmitting a cutting signal is connected. A cutting signal correction circuit 12 correlating the conveyor 2a with a feed amount detector 11, such as an encoder, is provided in a control circuit for the liner encoder 7, the pushbutton 8, and a knife actuating mechanism 4.

14/5/8 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

02760980 **Image available**

DETECTOR FOR RESIDUAL AMOUNT OF INK RIBBON

PUB. NO.: 01-058580 [JP 1058580 A]

PUBLISHED: March 06, 1989 (19890306)

INVENTOR(s): TANAKA SHIGERU

APPLICANT(s): NEC HOME ELECTRON LTD [000193] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 62-216015 [JP 87216015]

FILED: August 29, 1987 (19870829)

INTL CLASS: [4] B41J-035/36; B41J-017/36

JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines)

JOURNAL: Section: M, Section No. 836, Vol. 13, No. 252, Pg. 133, June 12, 1989 (19890612)

ABSTRACT

PURPOSE: To enable the residual amount of an ink ribbon to be detected constantly accurately, by detecting the residual amount of the ink ribbon through detecting the rotating speed of a payout reel or a take-up reel by a rotary encoder.

CONSTITUTION: A light slit plate 24 of an optical- **type** rotary **encoder** 22 is fitted coaxially to a **payout** reel 12 on the back side of a chassis 10, and is rotated in a body with the reel 12. A light sensor part 26 of the encoder 22 has a light-emitting element and a light-receiving element oppositely disposed on the opposite sides of the slit plate 24, and generates an electric pulse when rays emitted from the light-emitting element enters the light-receiving element by passing through a slit SL. The pulse rate is made proportional to the rotating speed of the payout reel 12, and the residual amount of an ink ribbon is substantially inversely proportional to the rotating speed of the plate 24. Therefore, the residual amount of the ink ribbon is detected based on the pulse rate. Thus, the accurate residual amount can be detected even when a power supply is disconnected during printing or when an ink ribbon cassette is replaced by an ink ribbon cassette having been used to a certain extent or having a different capacity.

14/5/9 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

016274340

WPI Acc No: 2004-432234/200441

XPX Acc No: N04-341633

Financial card paying telecommunication method and system for active non-encryption POS machine

Patent Assignee: HUANG J (HUAN-I)

Inventor: HUANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|---------------|------|----------|----------|
| CN 1467663 | A | 20040114 | CN 2002123933 | A | 20020711 | 200441 B |

Priority Applications (No Type Date): CN 2002123933 A 20020711

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|-------------|--------------|
| CN 1467663 | A | | G06F-017/60 | |

Abstract (Basic): CN 1467663 A

NOVELTY - A financial card **payment** telecommunication method and system using active **type** non-**encrypted** card-reading machine, the system includes financial card, card reading machine, card issuing bank computer system, multi card combination computer system, card acceptance bank computer system, characterized by that, the card reading machine may not contain the transaction information encryption program, during the payment, the card owner first sends the shop code, card number, cipher and the agreed payment information of the transaction sum to the card issuing bank computer system, then gives the card to the shopper for card reading, the card reading payment request information will go through the card acceptance bank computer system and the multi card combination computer system, arriving the card issuing bank computer system for a quick checking, if the checking result conforms, the payment confirmation information will be sent back and completing the transaction, otherwise the transaction can not be carried on. The method by the invention safe and reliable thus is beneficial for the transaction

DwgNo 0/0

Title Terms: FINANCIAL; CARD; PAY; TELECOMMUNICATION; METHOD; SYSTEM; ACTIVE; NON; ENCRYPTION; POS; MACHINE

Derwent Class: T05; W01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06K-019/07

File Segment: EPI

14/5/10 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016263253

WPI Acc No: 2004-421147/200440

XRPX Acc No: N04-334065

Financial card paying telecommunication method and system for wireless non-encryption POS machine

Patent Assignee: HUANG J (HUAN-I)

Inventor: HUANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|---------------|------|----------|----------|
| CN 1467664 | A | 20040114 | CN 2002123934 | A | 20020711 | 200440 B |

Priority Applications (No Type Date): CN 2002123934 A 20020711

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|-------------|--------------|
| CN 1467664 | A | | G06F-017/60 | |

Abstract (Basic): CN 1467664 A

NOVELTY - A financial card **payment** telecommunication method and system using active **type** non-**encrypted** card-reading machine, the system includes financial card, card reading machine, card issuing bank

computer system, multi card combination computer system and card acceptance bank computer system.

DETAILED DESCRIPTION - The card is characterized by that, a client confirmation payment secrecy system is arranged in or controlled separately by the card issuing computer system, wherein the financial card owner's name, card number and confirmation communication means are stored in. The card reading machine may not contain the transaction information encryption program, the card reading payment request information will go through the card acceptance bank computer system, the multi card combination computer system and the card issuing bank computer system, arriving the financial card owner, after the confirmation by the card owner communication means, the information will return to the card reading machine through a reversed path, thus completing the transaction, otherwise the transaction can not be carried on. The invention greatly reduces the system cost and is safe and reliable.

DwgNo 0/0

Title Terms: FINANCIAL; CARD; PAY; TELECOMMUNICATION; METHOD; SYSTEM;
WIRELESS; NON; ENCRYPTION; POS; MACHINE
Derwent Class: T01; T05
International Patent Class (Main): G06F-017/60
File Segment: EPI

14/5/11 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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015844564 **Image available**

WPI Acc No: 2004-002390/200401

Related WPI Acc No: 2003-737358; 2003-795047; 2003-837179; 2003-837180;
2004-002160; 2004-026789

XRPX Acc No: N04-002131

Variable-length encoded data recording for digital image or acoustic signal, involves performing variable length encoding of video and audio signals based on obtained variable length encoding table or exchange variable length encoding table

Patent Assignee: VICTOR CO OF JAPAN (VICO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2003264782 | A | 20030919 | JP 2002344085 | A | 20021127 | 200401 B |

Priority Applications (No Type Date): JP 2001362233 A 20011128

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|---------------|------|--------|-------------|--------------|
| JP 2003264782 | A | 54 | H04N-005/91 | |

Abstract (Basic): JP 2003264782 A

NOVELTY - The method involves using a signal encoder (10) to output a compressed and encoded signal. The signal encoder has a CPU (16) that produces the encoding selecting signal to identify if a variable-length encoder (121) has performed variable-length encoding based on the obtained variable length encoding table (14) or exchange variable length encoding table (15).

DETAILED DESCRIPTION - The obtained variable length encoding table contains predetermined code words allocated with respect to the values of the time-series data obtained through the orthogonal transformation of the supplied image and audio signals. The exchange variable length encoding table contains different code words allocated for the same number of time-series data in the obtained variable length encoding

table. INDEPENDENT CLAIMS are included for the following:

- (a) Variable-length encoded data reproduction;
- (b) Variable-length encoded data recorder;
- (c) Variable-length encoded data reproducing apparatus; and
- (d) Variable-length encoded data recording medium.

USE - For compressing and encoding digital image or acoustic signal.

ADVANTAGE - Records and reproduces image and audio signals with improved quality using obtained variable-length encoding table or exchange variable length encoding table. Ensures reliable decoding of encoded data in predetermined and reliable security level. Prevents degradation in **encoding** and decoding **image** and audio signals.

DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the structure of an image signal encoder. (Drawing includes non-English language text).

Signal encoder (10)

Obtained variable length encoding table (14)

Exchange variable length encoding table (15)

CPU (16)

Variable-length encoder (121)

pp; 54 DwgNo 1/51

Title Terms: VARIABLE; LENGTH; ENCODE; DATA; RECORD; DIGITAL; IMAGE; ACOUSTIC; SIGNAL; PERFORMANCE; VARIABLE; LENGTH; ENCODE; VIDEO; AUDIO; SIGNAL; BASED; OBTAIN; VARIABLE; LENGTH; ENCODE; TABLE; EXCHANGE; VARIABLE; LENGTH; ENCODE; TABLE

Derwent Class: T01; U21

International Patent Class (Main): H04N-005/91

International Patent Class (Additional): G11B-020/10; G11B-020/12;

H03M-007/42; **H04L-009/08** ; H04N-005/92; H04N-007/08; H04N-007/081;

H04N-007/32

File Segment: EPI

14/5/12 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015742280 **Image available**

WPI Acc No: 2003-804481/200375

XRPX Acc No: N03-644875

Image transmission network sets packet header value according to type of image encoded frame contained in it, so as to filter packets transmitted to image receiver

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: ISHIKAWA F; SHINOHARA H; TAKAHASHI S

Number of Countries: 002 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|--------------|------|----------|---------------|------|----------|----------|
| WO 200385907 | A1 | 20031016 | WO 2002JP3427 | A | 20020405 | 200375 B |

Priority Applications (No Type Date): WO 2002JP3427 A 20020405

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|--------------|------|-----|----|-------------|--------------|
| WO 200385907 | A1 | J | 34 | H04L-012/56 | |

Designated States (National): JP US

Abstract (Basic): WO 200385907 A1

NOVELTY - An image transmitter (2) creates a packet containing an image encoded frame and a header creating unit (10) sets the value of the packet header according to the type of the encoded frame. A server (6) includes a filtering unit (12) that passes the packet to an image

receiver (8) or discards the packet, according to the header value.

USE - Image transmission network.

ADVANTAGE - Ensures effective filtering of the packets based on their respective header values.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the image transmission network. (Drawing includes non- English language text).

image transmitter (2)
routers (41-43)
server (6)
network (7)
image receiver (8)
header creation unit (10)
filtering unit (12)
pp; 34 DwgNo 1/11

Title Terms: IMAGE; TRANSMISSION; NETWORK; SET; PACKET; HEADER; VALUE;
ACCORD; TYPE; IMAGE; ENCODE; FRAME; CONTAIN; SO; FILTER; PACKET; TRANSMIT
; IMAGE; RECEIVE

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/56

File Segment: EPI

14/5/13 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015344795 **Image available**

WPI Acc No: 2003-405733/200339

XRPX Acc No: N03-323639

Data transmission system, e.g. for video streaming and television conferencing, uses progressive scalable encoding, packet priority-level information and Real-time Transport Protocol

Patent Assignee: SONY CORP (SONY); FUKUHARA T (FUKU-I); ICHINO Y (ICHI-I)
; ITAKURA E (ITAK-I)

Inventor: FUKUHARA T; ICHINO Y; ITAKURA E

Number of Countries: 032 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| EP 1311125 | A2 | 20030514 | EP 200225197 | A | 20021111 | 200339 B |
| US 20030118107 | A1 | 20030626 | US 2002292640 | A | 20021112 | 200343 |
| JP 2003152544 | A | 20030523 | JP 2001346413 | A | 20011112 | 200343 |

Priority Applications (No Type Date): JP 2001346413 A 20011112

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

| | | | | | |
|------------|----|---|----|-------------|--|
| EP 1311125 | A2 | E | 47 | H04N-007/24 | |
|------------|----|---|----|-------------|--|

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

| | | | | | |
|----------------|----|--|--|-------------|--|
| US 20030118107 | A1 | | | H04N-007/12 | |
|----------------|----|--|--|-------------|--|

| | | | | | |
|---------------|---|--|----|-------------|--|
| JP 2003152544 | A | | 33 | H03M-007/30 | |
|---------------|---|--|----|-------------|--|

Abstract (Basic): EP 1311125 A2

NOVELTY - The transmission side stores scalable-encoded data in a packet as a **payload**, assigns priority-level information corresponding to a layer **level** of the **encoded** data stored in the packet to a packet header, and transmits the packet. A level of priority dependent on an application is specified in a Real-time Transport Protocol (RTP) payload header according to the degree of importance of scalable-encoded data.

DETAILED DESCRIPTION - The receiving side processes by referring to

the priority-level data and a level of priority is further specified in an Internet Protocol (IP) header. Images and audio from a camera (41) are input to an encoder (42) which applies a wavelet transform as encoding and executes scalable encoding progressively based on spatial resolution and signal-to-noise ratios, and stores encoded data in a buffer (43). A packetizer (44) analyzes the encoded data, determines partitions and packetizes the data according to content. The generated IP packets are output from the communication system via a network interface (46).

INDEPENDENT CLAIMS are also included for the following:

- (1) a data transmission apparatus;
- (2) a data receiving apparatus;
- (3) a data communication method;
- (4) a data transmission method;
- (5) a received data processing method; and
- (6) a computer program.

USE - The system is used for encoding image processing, e.g. for streaming distribution of live images, video on demand, video conferencing and video telephones.

ADVANTAGE - The most appropriate packet processing is executed according to a terminal's performance and re-transmission control based on the layer level of encoded data is also executed. Processing is performed corresponding to various types of fluctuations of the bandwidths of networks, and if packet loss occurs on the network, a reduction in the quality of received data is suppressed as much as possible.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a data transmission apparatus.

Camera (41)
Encoder (42)
Buffer (43)
Packetizer (44)
Network Interface (46)
pp; 47 DwgNo 4/23

Title Terms: DATA; TRANSMISSION; SYSTEM; VIDEO; STREAM; TELEVISION;
PROGRESS; ENCODE; PACKET; PRIORITY; LEVEL; INFORMATION; REAL; TIME;
TRANSPORT; PROTOCOL

Derwent Class: T01; W01; W02; W04

International Patent Class (Main): H03M-007/30; H04N-007/12; H04N-007/24

International Patent Class (Additional): H04L-012/56; H04L-029/06;

H04N-007/08; H04N-007/081; H04N-007/26; H04N-007/30

File Segment: EPI

14/5/14 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014365837 **Image available**

WPI Acc No: 2002-186538/200224

Card payment system using internet

Patent Assignee: INICIS CO LTD (INIC-N)

Inventor: KWON D G

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|--------------|------|----------|----------|
| KR 2001094500 | A | 20011101 | KR 200016822 | A | 20000331 | 200224 B |

Priority Applications (No Type Date): KR 200016822 A 20000331

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

KR 2001094500 A 1 G06F-017/60

Abstract (Basic): KR 2001094500 A

NOVELTY - A card payment system using the internet is provided to safely execute the card **payment** service through TCP/IP communication and high **level encryption** by composing a multiple system with a terminal and PC.

DETAILED DESCRIPTION - The card payment system comprises a card terminal(1), IniCPU(2), and IniServer(3). The information of every card and the payment are inputted through the card terminal. The IniCPU, a kind of PC, encrypts and transfers the data sent from the card terminal to the IniServer through the internet. The IniServer, a kind of server, decodes the data sent from the IniCPU. A standard communication between the IniCPU and IniServer is the internet. And auxiliary network is constructed using PSTN(Public Switched Telephone Network)/PSDN(Public Switched Data Network) which uses private line, co-LAN, and ISP(Internet Service Provider). The communication between the card terminal and the IniCPU uses a RS232 serial communication which transfers the data encrypted by SEEDOFB/DES(Data Encryption Standard). The communication between the IniCPU and the IniServer uses the private line, co-LAN, ISP, PSTN/PSDN as well as the internet communication which transfers the data encrypted by SEEDCBC/RSA (encryption algorithm).

pp; 1 DwgNo 1/10

Title Terms: CARD; PAY; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/15 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012110868 **Image available**

WPI Acc No: 1998-527780/199845

XRPX Acc No: N98-412813

Moving image communication apparatus - has resending image judging unit that judges whether resending demand is to be given based on output of reference image judging unit

Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 10234045 | A | 19980902 | JP 9737687 | A | 19970221 | 199845 B |

Priority Applications (No Type Date): JP 9737687 A 19970221

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 10234045 A 10 H04N-007/32

Abstract (Basic): JP 10234045 A

The apparatus (100) has an encoding type detector (112) that detects encoding data. A reference image judging unit (113) judges whether accidentally received data is a reference image of correctly received data based on the detected encoding type. A resending demand judging unit judges whether a resending demand is to be given based on the output of the reference image judging unit.

ADVANTAGE - Prevents delay due to resending queueing time. Improves **image** quality. Enables accurate **encoding type** detection.

Dwg.1/7

Title Terms: MOVE; IMAGE; COMMUNICATE; APPARATUS; IMAGE; JUDGEMENT; UNIT;
JUDGEMENT; DEMAND; BASED; OUTPUT; REFERENCE; IMAGE; JUDGEMENT; UNIT
Derwent Class: W01; W04
International Patent Class (Main): H04N-007/32
International Patent Class (Additional): H04L-001/18 ; H04N-007/30
File Segment: EPI

14/5/16 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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011560608 **Image available**
WPI Acc No: 1997-537089/199750
XRPX Acc No: N97-446927

Three strokes input technique and key positions on keyboard

Patent Assignee: LU J (LUJJ-I)
Inventor: LU J
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| CN 1128876 | A | 19960814 | CN 95104679 | A | 19950425 | 199750 B |

Priority Applications (No Type Date): CN 95104679 A 19950425
Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|--------------|--------------|
| CN 1128876 | A | | G06F-003/023 | |

Abstract (Basic): CN 1128876 A

It has both the characteristic of the rapid input of form code and the convenience of easy learning of phoneticizing code. The invention keys in through computer keyboard or uses the mouse key (pen)to key on the view of the keyboard; that is, the first and second strokes (keys) are spelling of consonant and vowel for each Chinese character, the third stroke (key) is meaning (form) code key. It is divided into two sets of input method i.e. three strokes three **keys type** and three strokes four **keys type** and **pays** attention to both sound and meaning (form). The sound takes the standard Chinese pronunciation as criterion and may use dialect simultaneously, the meaning (form) uses the dictionary as standard.

Dwg.1/1

Title Terms: THREE; STROKE; INPUT; TECHNIQUE; KEY; POSITION; KEYBOARD
Derwent Class: T04
International Patent Class (Main): G06F-003/023
File Segment: EPI

14/5/17 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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010426524 **Image available**
WPI Acc No: 1995-327844/199542
Related WPI Acc No: 1995-320037; 1996-020047; 1996-105367; 1996-286581;
1997-235343; 1997-558317
XRPX Acc No: N95-246727

Communicating permanent or semi-permanent information from interrogator to transponder - using special instructions valid only during special or maintenance mode which is entered by transmitting special access code to transponder from authorised interrogator

Patent Assignee: TEXAS INSTR INC (TEXI)
Inventor: FRAZEE F B; HURTA D S
Number of Countries: 003 Number of Patents: 003
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| US 5450087 | A | 19950912 | US 94233169 | A | 19940426 | 199542 B |
| JP 8084095 | A | 19960326 | JP 95102526 | A | 19950426 | 199622 |
| TW 307967 | A | 19970611 | TW 95111897 | A | 19951110 | 199738 |

Priority Applications (No Type Date): US 94233169 A 19940426; US 94233839 A 19940426; US 94233871 A 19940426; US 94233872 A 19940426

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|-------------|--------------|
| US 5450087 | A | | 27 | G01S-013/75 | |
| JP 8084095 | A | | 41 | H04B-001/59 | |
| TW 307967 | A | | | H04L-009/32 | |

Abstract (Basic): US 5450087 A

The method comprises a step of sending an access code from the interrogator to the transponder, the access code giving the authorized entity access to pre-determined addresses within the transponder's memory, thereby entering a transponder maintenance mode. A maintenance mode acknowledgement signal is sent from the transponder to the interrogator, confirming to the interrogator that the transponder is in maintenance mode.

Interrogation messages of special instructions are transmitted from the interrogator to the transponder, the special instructions valid only during the maintenance mode.

USE/ADVANTAGE - Esp. in Automatic Vehicle Identification system for electronic toll collection. Interrogator can transmit, in confidence, special instructions, e.g. **type** of **encryption**, whether lane discrimination is implemented, which FSK frequencies are used, **payload** information, whether microprocessor is attached to transponder, user account number, amount of money stored in transponder memory, etc.

Dwg.8/9

Title Terms: COMMUNICATE; PERMANENT; SEMI; PERMANENT; INFORMATION; INTERROGATION; TRANSPONDER; SPECIAL; INSTRUCTION; VALID; SPECIAL; MAINTAIN; MODE; ENTER; TRANSMIT; SPECIAL; ACCESS; CODE; TRANSPONDER; AUTHORISE; INTERROGATION

Index Terms/Additional Words: AVI

Derwent Class: T05; T07; U24; W02; W06; X22

International Patent Class (Main): G01S-013/75; H04B-001/59; H04L-009/32

International Patent Class (Additional): G01S-013/76; G01S-013/79;

G07B-015/00; G08G-001/017; H04B-007/24; H04L-005/14

File Segment: EPI

14/5/18 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010369685 **Image available**

WPI Acc No: 1995-271047/199536

XRPX Acc No: N95-208572

Drying appts. having oil-filled electric convector heater - comprises building divided into cubicles, each having overhead gantry leading to lobby, with extensible hanging rail for clothes, and coin-freed locks coupled to heater circuit

Patent Assignee: MCLYNN B (MCLY-I)

Inventor: MCLYNN B

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| GB 2286447 | A | 19950816 | GB 952103 | A | 19950203 | 199536 B |
| GB 2286447 | B | 19971203 | GB 952103 | A | 19950203 | 199751 |

Priority Applications (No Type Date): GB 942764 A 19940214

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|-------------|--------------|
| GB 2286447 | A | 8 | F26B-009/06 | |
| GB 2286447 | B | 1 | F26B-009/06 | |

Abstract (Basic): GB 2286447 A

The drying appts. comprises an array of cubicles, each comprising a door, a heater and a device for supporting clothes or other articles to be dried. Each door has a coin freed lock, which is adapted to switch on an electrical circuit coupled to the cubicle's heater for a predetermined length of time.

Each lock is of the **type** which releases a **key** to a user on receipt of **payment**. Each cubicle has an overhead gantry on which a clothes hanging rail is supported, the rail being drawn out on the gantry when the door is opened.

USE/ADVANTAGE - E.g. for marina or beach hut or mobile trailer.
Gantry rail prevents clothes from being scorched.

Dwg.4/4

Title Terms: DRY; APPARATUS; OIL; FILLED; ELECTRIC; CONVECTION; HEATER;
COMPRISE; BUILD; DIVIDE; CUBICLE; OVERHEAD; GANTRY; LEADING; EXTEND; HANG
; RAIL; CLOTHING; COIN; FREE; LOCK; COUPLE; HEATER; CIRCUIT

Derwent Class: Q76; X27

International Patent Class (Main): F26B-009/06

International Patent Class (Additional): F26B-009/02; F26B-025/06

File Segment: EPI; EngPI

14/5/19 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008158591 **Image available**

WPI Acc No: 1990-045592/199007

XRPX Acc No: N90-034971

Decoding digital signals with distorted symbols - subjects data signals to several threshold value decisions with differently positioned decision thresholds

Patent Assignee: ANT NACHRICHTENTECHNIK GMBH (AEGE)

Inventor: SCHREITMUL W

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|------|----------|
| DE 3821709 | A | 19900208 | | | | 199007 B |
| DE 3821709 | C | 19900726 | | | | 199030 B |

Priority Applications (No Type Date): DE 0 A 19880628; DE 3821709 A 19880628

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|----------|--------------|
| DE 3821709 | A | 4 | | |

Abstract (Basic): DE 3821709 A

Individual symbols of coded digital signals sometimes have HF interference pulses superimposed while propagating over the transmit path. For their decoding at a lowest possible fault rate, the digital signals are subjected to a multiple threshold value decision (SE) for

determining, which data signal symbols can be provided with a low validity for the subsequent decoding, using e.g. **image decoders** (DC1-3), whose **level** lies above each respective decision threshold.

The decision thresholds are then displaced until one is found, with which the decoded digital signals have the best fault rate. The decoded digital signals are compared against each other in a comparator (FK).

USE/ADVANTAGE - For transmission from earth-bound stations to satellites with HF interference pulses e.g. caused by terrestrial radar. Improved noise resistance

Title Terms: DECODE; DIGITAL; SIGNAL; DISTORT; SYMBOL; SUBJECT; DATA; SIGNAL; THRESHOLD; VALUE; DECIDE; POSITION; DECIDE; THRESHOLD

Derwent Class: W01; W02

International Patent Class (Additional): H04L-001/20 ; H04L-025/08

File Segment: EPI

14/5/20 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004744179

WPI Acc No: 1986-247520/198638

XRPX Acc No: N86-184974

Encoded image data communication apparatus - erases already stored data after data in store is transmitted to destination

Patent Assignee: CANON KK (CANO)

Inventor: KURAHAYASH S; NEGI T; SAKAMOTO M; TAKAHASHI M; UENO Y; WATANABE T ; YOSHINO M

Number of Countries: 003 Number of Patents: 004

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| GB 2172479 | A | 19860917 | GB 862380 | A | 19860131 | 198638 B |
| JP 61176252 | A | 19860807 | JP 8517028 | A | 19850131 | 198638 |
| US 4772955 | A | 19880920 | US 86823118 | A | 19860127 | 198840 |
| GB 2172479 | B | 19890920 | | | | 198938 |

Priority Applications (No Type Date): JP 8517028 A 19850131; JP 8517016 A 19850131; JP 8517021 A 19850131; JP 8517022 A 19850131; JP 8517023 A 19850131; JP 8517026 A 19850131

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|----------|--------------|
| GB 2172479 | A | 43 | | |

Abstract (Basic): GB 2172479 B

The apparatus includes a transmission data generating unit, a storage unit for the transmission data and a unit for transmitting the data in the storage unit. The storage unit stores, together with the transmission data, the time and date when the transmission data was stored. The generator reads an original image and generates an image signal. Information regarding the signal form of the image signal is stored.

The information stored includes the density of the image to be read, the **type** of signal **encoding** and the **image** size. After stored data is transmitted the already transmitted data is erased.

ADVANTAGE - Identifies day and date data stored. (43pp Dwg.No.2A/23

Title Terms: ENCODE; IMAGE; DATA; COMMUNICATE; APPARATUS; ERASE; STORAGE; DATA; AFTER; DATA; STORAGE; TRANSMIT; DESTINATION

Index Terms/Additional Words: FACSIMILE

Derwent Class: W01; W02

International Patent Class (Additional): H04L-011/20 ; H04M-001/32;

H04N-001/21
File Segment: EPI

14/5/21 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003325435

WPI Acc No: 1982-H3449E/198225

Digital sales register appts. - has keyboard control providing selection of normal registering mode and single item registering mode

Patent Assignee: CASIO COMPUTER CO LTD (CASK)

Inventor: TSUZKI H

Number of Countries: 003 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| GB 2089547 | A | 19820623 | | | | 198225 B |
| DE 3145049 | A | 19820819 | DE 3145049 | A | 19811112 | 198234 |
| GB 2089547 | B | 19831221 | | | | 198351 |
| DE 3145049 | C | 19841031 | | | | 198445 |
| US 4502119 | A | 19850226 | US 81317593 | A | 19811102 | 198511 |

Priority Applications (No Type Date): JP 80158141 A 19801112

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|----|----------|--------------|
| GB 2089547 | A | | 7 | | |

Abstract (Basic): GB 2089547 A

The electronic register has, at an input unit (6), at least a first selection key (13) which is operated for performing the normal registering, a second selection key (14) which is operated for performing single item registering for accumulating sales data according to both classification and **payment type**, and **keys** (9) for designating the item number codes. A memory (5) has a first memory for storing sales data input by the operation of the keys in memory locations according to the item number codes, and a second memory for storing the sales data according to the payment types.

When the first selection key (13) is operated, the normal registering is performed. When the second selection key (14) is operated, the sales data is stored in the first memory and is printed on a receipt sheet in the single item registering mode and the receipt is issued. The sales data is also classified according to the payment types and stored in the second memory.

1

Title Terms: DIGITAL; SALE; REGISTER; APPARATUS; KEYBOARD; CONTROL; SELECT; NORMAL; REGISTER; MODE; SINGLE; ITEM; REGISTER; MODE

Derwent Class: T05

International Patent Class (Additional): G06F-003/02; G06F-015/22;

G07G-001/00; G07G-005/00

File Segment: EPI

14/5/22 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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001275733

WPI Acc No: 1975-F9641W/197523

Electronically controlled cash register - incorporates cash register system controlled by a central computer with emergency switch for

functions of some keys

Patent Assignee: BUNKER RAMO CORP (BUKR)
Number of Countries: 002 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|------|----------|
| DE 2425572 | A | 19750528 | | | | 197523 B |
| BE 828496 | A | 19750818 | | | | 197538 |

Priority Applications (No Type Date): DE 2425572 A 19740527

Abstract (Basic): DE 2425572 A

The cash register has independent current supply means, and can be switched for emergency operation by a switch in the central computer. It has for this purpose a simplified calculator unit carrying out the four main operations, a fixed store for the operation programme storage and a suitable data store. It can in this state carry out, independently from the central computer, simple sale functions, such as sale amount display, printing of a simplified receipt and formation of part and total sums. When switched over to emergency operation, certain **keys** (goods **type** , **payment** means) are connected in parallel, while other control keys are made inoperative. Switches for switching over to emergency operation are operated by a special key.

Title Terms: ELECTRONIC; CONTROL; CASH; REGISTER; INCORPORATE; CASH; REGISTER; SYSTEM; CONTROL; CENTRAL; COMPUTER; EMERGENCY; SWITCH; FUNCTION ; KEY

Derwent Class: T01; T04; T05

International Patent Class (Additional): G06F-015/22; G06K-000/00; G07G-001/00

File Segment: EPI

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18/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07330469 **Image available**
METHOD FOR PREVENTING IMAGE ALTERATION

PUB. NO.: 2002-198958 [JP 2002198958 A]
PUBLISHED: July 12, 2002 (20020712)
INVENTOR(s): KANESHIRO NAOTO
APPLICANT(s): FUJI PHOTO FILM CO LTD
APPL. NO.: 2001-321866 [JP 2001321866]
FILED: October 19, 2001 (20011019)
PRIORITY: 2000-320229 [JP 2000320229], JP (Japan), October 20, 2000
(20001020)
INTL CLASS: H04L-009/32 ; G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for preventing image alteration, in which an authentication of no image alteration prevents an image from being altered and which does not need a recording medium having a special function.

SOLUTION: In an image device, an image characteristic is extracted from an image produced by the image device, by using a special algorithm, and identification information and the image characteristic of the image produced by the image device are stored in a database of an authentication agent which authenticates that the image is not altered. The authentication agent is asked for an authentication of the image, extracts an image characteristic from the image as a target of the authentication, by using a special algorithm, and compares this extracted image characteristic with the image characteristic stored in the database. In the comparison, matching degree between the both image characteristics decides that there is no alteration after the production of the image. This solves the problem mentioned above.

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18/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014816156 **Image available**
WPI Acc No: 2002-636862/200268
Related WPI Acc No: 1995-200530; 1996-518986; 1997-310156; 1998-009129;
1998-110064; 1998-286225; 1999-204782; 1999-444465; 2000-013122;
2000-194736; 2000-195398; 2000-365779; 2000-464989; 2000-490584;
2000-647035; 2001-022904; 2001-335855; 2001-357503; 2001-374044;
2001-397673; 2001-425330; 2001-570080; 2001-580828; 2001-581298;
2001-581665; 2001-595705; 2001-607222; 2002-011177; 2002-041658;
2002-062159; 2002-082807; 2002-154357; 2002-163681; 2002-179003;
2002-188040; 2002-205513; 2002-224088; 2002-226224; 2002-235400;
2002-236852; 2002-238913; 2002-239839; 2002-254659; 2002-256143;
2002-268672; 2002-315095; 2002-361599; 2002-361694; 2002-370756;
2002-382444; 2002-391512; 2002-392708; 2002-393501; 2002-394013;
2002-403568; 2002-405083; 2002-413035; 2002-416925; 2002-435593;
2002-470507; 2002-479804; 2002-498079; 2002-498923; 2002-507125;
2002-508021; 2002-528580; 2002-556177; 2002-590019; 2002-598923;
2002-642228; 2002-654787; 2002-672857; 2002-673567; 2002-691185;
2002-697772; 2002-698265; 2003-045908; 2003-074123; 2003-075114;

2003-090293; 2003-137905; 2003-140183; 2003-174573; 2003-174769;
 2003-199024; 2003-199025; 2003-209294; 2003-209403; 2003-238411;
 2003-266622; 2003-268467; 2003-275465; 2003-327510; 2003-331365;
 2003-353776; 2003-362315; 2003-391983; 2003-392393; 2003-401297;
 2003-418353; 2003-418436; 2003-419904; 2003-465734; 2003-492022;
 2003-557490; 2003-587433; 2003-597620; 2003-615418; 2003-615425;
 2003-655604; 2003-655616; 2003-655715; 2003-656012; 2003-658647;
 2003-659691; 2003-687554; 2003-696414; 2003-707329; 2003-730410;
 2003-767701; 2003-777048; 2003-800216; 2003-800961; 2003-802603;
 2003-829683; 2003-897231; 2004-031964; 2004-041644; 2004-059015;
 2004-059948; 2004-070353; 2004-098221; 2004-119479; 2004-155399;
 2004-179244; 2004-179245; 2004-246589; 2004-303569; 2004-386915

XRPX Acc No: N02-503105

Digital watermarking process for use with map data, e.g. acquired by satellite and other sensors uses GPS information to compare with information extracted from image

Patent Assignee: DIGIMARC CORP (DIGI-N); LOFGREN N E (LOFG-I); RHOADS G B (RHOA-I); CLEMENTS L (CLEM-I); LOFGREN N A (LOFG-I); PATTERSON P R (PATT-I); BRUNDAGE T J (BRUN-I); LOFGREN N (LOFG-I); HEIN W C (HEIN-I); MACLINTOSH B T (MACL-I); SEDER P A (SEDE-I); LOWE B D (LOWE-I); MCKINLEY T J (MCKI-I); ANGLIN H W (ANGL-I); BRUNK H L (BRUN-I); CATTONE J (CATT-I); HUDSON E C (HUDS-I); JONES K C (JONE-I); LEVY K L (LEVY-I); PERRY B W (PERR-I); STEWART S W (STEW-I); CARR J S (CARR-I); CHRISTOPHER M S (CHRI-I); CONWELL W Y (CONW-I); HANNIGAN B T (HANN-I); MEYER J R (MEYE-I); STAGER R R (STAG-I); WEAVER M M (WEAV-I)

Inventor: BRUNDAGE T J; CLEMENTS L R; LOFGREN N E; PATTERSON P R; RHOADS G B; CLEMENTS L; LOFGREN N A; LOFGREN N; HEIN W C; MACLINTOSH B T; SEDER P A; LOWE B D; MCKINLEY T J; ANGLIN H W; BRUNK H L; CATTONE J; HUDSON E C; JONES K C; LEVY K L; PERRY B W; STEWART S W; CARR J S; CHRISTOPHER M S; CONWELL W Y; HANNIGAN B T; MEYER J R; STAGER R R; WEAVER M M

Number of Countries: 100 Number of Patents: 012

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| WO 200271685 | A1 | 20020912 | WO 2002US6858 | A | 20020305 | 200268 B |
| US 20020147910 | A1 | 20021010 | US 2001833013 | A | 20010410 | 200269 |
| US 20020122564 | A1 | 20020905 | US 2001800093 | A | 20010305 | 200270 |
| | | | US 2001284163 | P | 20010416 | |
| | | | US 2001284776 | P | 20010418 | |
| | | | US 20012954 | A | 20011123 | |
| US 20020124024 | A1 | 20020905 | US 2001800093 | A | 20010305 | 200270 |
| | | | US 2001284163 | P | 20010416 | |
| | | | US 2001284776 | P | 20010418 | |
| | | | US 2001858336 | A | 20010515 | |
| US 20020135600 | A1 | 20020926 | US 2001800093 | A | 20010305 | 200270 |
| | | | US 2001997400 | A | 20011128 | |
| US 20020154144 | A1 | 20021024 | US 2001284776 | P | 20010418 | 200273 |
| | | | US 2001858336 | A | 20010515 | |
| | | | US 2002100233 | A | 20020313 | |
| US 20020176003 | A1 | 20021128 | US 2000697009 | A | 20001025 | 200281 |
| | | | US 2001284163 | P | 20010416 | |
| | | | US 2002121433 | A | 20020411 | |
| US 20030012569 | A1 | 20030116 | US 2001284163 | P | 20010416 | 200308 |
| | | | US 2002121435 | A | 20020411 | |
| US 20030032033 | A1 | 20030213 | US 2001284163 | P | 20010416 | 200314 |
| | | | US 2002122141 | A | 20020412 | |
| US 20030187798 | A1 | 20031002 | US 2001284163 | P | 20010416 | 200365 |
| | | | US 2001327687 | P | 20011005 | |
| | | | US 200112676 | A | 20011105 | |
| | | | US 2002122141 | A | 20020412 | |
| | | | US 2002265348 | A | 20021004 | |
| AU 2002242325 | A1 | 20020919 | AU 2002242325 | A | 20020305 | 200433 |

US 20040161131 A1 20040819 US 2001800093 A 20010305 200455
US 2004778762 A 20040213

Priority Applications (No Type Date): US 2001997400 A 20011128; US
2001800093 A 20010305; US 2001833013 A 20010410; US 2001284163 P 20010416
; US 2001284776 P 20010418; US 2001858336 A 20010515; US 20012954 A
20011023; US 2002100233 A 20020313; US 2000697009 A 20001025; US
2002121433 A 20020411; US 2002121435 A 20020411; US 2002122141 A 20020412
; US 2001327687 P 20011005; US 200112676 A 20011105; US 2002265348 A
20021004; US 2004778762 A 20040213

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200271685 A1 E 62 H04L-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020147910 A1 H04L-009/00

US 20020122564 A1 G06K-009/00

CIP of application US 2001800093
Provisional application US 2001284163
Provisional application US 2001284776
CIP of application US 2001800093
Provisional application US 2001284163
Provisional application US 2001284776

US 20020124024 A1 G06F-017/00

US 20020135600 A1 G09G-005/00

US 20020154144 A1 G06F-007/00

US 20020176003 A1 G06F-009/00

US 20030012569 A1 G03B-017/24

US 20030032033 A1 C12Q-001/68

US 20030187798 A1 H04K-001/00

Provisional application US 2001327687
CIP of application US 200112676
CIP of application US 2002122141

AU 2002242325 A1 H04L-009/00

US 20040161131 A1 G06K-009/00

Based on patent WO 200271685
Div ex application US 2001800093

Abstract (Basic): WO 200271685 A1

NOVELTY - Watermark location information is extracted from an
image. The physical location is then determined using e.g. GPS. The
location information is compared with the physical location, to check
whether they match or are inconsistent.

DETAILED DESCRIPTION - INDEPENDENT claims are also included for the
following:

- (1) An apparatus to read digital watermarks embedded within a map.
- (2) A system comprising user terminals, database and gatekeeper.
- (3) A module for use in a network.
- (4) An article of manufacture comprising steganographically
embedded data.

USE - For use with map data, e.g. acquired by satellite and other
sensors.

ADVANTAGE - Enables improved management and coordination of huge
amounts of aerial imagery.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow diagram of the

method.

pp; 62 DwgNo 4/16

Title Terms: DIGITAL; WATERMARK; PROCESS; MAP; DATA; ACQUIRE; SATELLITE;
SENSE; GROUP; INFORMATION; COMPARE; INFORMATION; EXTRACT; IMAGE

Derwent Class: P82; P85; T01; W06

International Patent Class (Main): C12Q-001/68; G03B-017/24; G06F-007/00;
G06F-009/00; G06F-017/00; G06K-009/00; G09G-005/00; **H04K-001/00** ;
H04L-009/00

International Patent Class (Additional): G01N-033/48; G01N-033/50;
G06F-011/30; G06F-012/14; G06F-017/60; G06F-019/00; G09C-003/00;
G09C-005/00; **H04L-009/32** ; H04L-015/34; H04N-007/167

File Segment: EPI; EngPI

18/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014762501 **Image available**

WPI Acc No: 2002-583205/200262

XRPX Acc No: N02-462568

**Mobile electronic device e.g. portable computer, cellular telephone, has
stamping area in fingerprint reading unit to receive light from camera
for capturing fingerprint image**

Patent Assignee: IONETWORK YG (IONE-N); KIYOMOTO S (KIYO-I)

Inventor: KIYOMOTO S

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20020083329 | A1 | 20020627 | US 200129613 | A | 20011221 | 200262 B |
| JP 2002196836 | A | 20020712 | JP 2000393736 | A | 20001225 | 200262 |

Priority Applications (No Type Date): JP 2000393736 A 20001225

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|----------------|------|--------|-------------|--------------|
| US 20020083329 | A1 | 15 | H04L-009/00 | |
| JP 2002196836 | A | 10 | G06F-001/00 | |

Abstract (Basic): US 20020083329 A1

NOVELTY - Fingerprint reading unit has a stamping area made of semitransparent film and an auxiliary lens unit to radiate light on the user's finger on the stamping area for capturing the fingerprint image using a digital camera. A processing unit **extracts** specific information from the fingerprint **image** and **compares** with a preregistered fingerprint **image** data for authenticating the fingerprint.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for fingerprint reading and authentication method.

USE - Mobile electronic device e.g. portable computer, cellular, digital wireless telephone.

ADVANTAGE - As the stamping area comprises a semitransparent thin film, the contrast of the fingerprint image is improved. Provides small and lightweight fingerprint reading unit, thereby reducing cost of the electronic device.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart illustrating the process of capturing fingerprint image to authenticate the fingerprint.

pp; 15 DwgNo 9/10

Title Terms: MOBILE; ELECTRONIC; DEVICE; PORTABLE; COMPUTER; CELLULAR;
TELEPHONE; STAMP; AREA; FINGERPRINT; READ; UNIT; RECEIVE; LIGHT; CAMERA;

CAPTURE; FINGERPRINT; IMAGE
Derwent Class: P31; T01; T04; W01; W04
International Patent Class (Main): G06F-001/00; H04L-009/00
International Patent Class (Additional): A61B-005/117; G06T-001/00
File Segment: EPI; EngPI

18/5/4 (Item 3 from file: 350)
DIALOG(R) File 350: Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012486886 **Image available**
WPI Acc No: 1999-292994/199925
XRPX Acc No: N99-219576

Seal print comparator for e.g. security seal, representation mark,
signature mark on checks and notes of a bank - has CPU that compares
and determines if image data extracted from seal print and image data
of print seal for comparison are in accord

Patent Assignee: FUJITSU LTD (FUIT)
Inventor: INAOKA H; KATAOKA S; KATSUMATA Y; WATANABE E
Number of Countries: 005 Number of Patents: 006
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 11096362 | A | 19990409 | JP 97251919 | A | 19970917 | 199925 B |
| CN 1211772 | A | 19990324 | CN 98108000 | A | 19980508 | 199931 |
| KR 99029151 | A | 19990426 | KR 9812026 | A | 19980406 | 200028 |
| TW 407409 | A | 20001001 | TW 98104741 | A | 19980330 | 200132 |
| US 6351550 | B1 | 20020226 | US 9847362 | A | 19980324 | 200220 |
| KR 356727 | B | 20030512 | KR 9812026 | A | 19980406 | 200359 |

Priority Applications (No Type Date): JP 97251919 A 19970917
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|-------------|-----------------------------------|
| JP 11096362 | A | | 29 | G06T-007/00 | |
| CN 1211772 | A | | | G06K-009/00 | |
| KR 99029151 | A | | | H04L-012/28 | |
| TW 407409 | A | | | H04L-012/48 | |
| US 6351550 | B1 | | | G06K-009/00 | |
| KR 356727 | B | | | G06K-009/00 | Previous Publ. patent KR 99029151 |

Abstract (Basic): JP 11096362 A

NOVELTY - The seal print comparator (10) has a CPU (15) that
compares and determines if the image data extracted from a seal
print and the image data of a print seal for comparison are in accord.

DETAILED DESCRIPTION - The seal print comparator has an image data
reader (12) that acquires the image data from the surface on which a
seal print is sealed. An image extractor obtains only the colored image
data from the acquired image data of the seal print.

USE - For comparing the seals pushed on sealing objects e.g.
security seal, representation mark signature mark on checks and notes
of a bank.

ADVANTAGE - Ensures smooth and efficient seal print comparison.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the
seal print comparator. (10) Seal print comparator; (12) Image data
reader; (15) CPU.

Dwg.1/22

Title Terms: SEAL; PRINT; COMPARATOR; SECURE; SEAL; REPRESENT; MARK;
SIGNATURE; MARK; CHECK; NOTE; BANK; CPU; COMPARE; DETERMINE; IMAGE; DATA;
EXTRACT; SEAL; PRINT; IMAGE; DATA; PRINT; SEAL; COMPARE; ACCORD

Derwent Class: T01
International Patent Class (Main): G06K-009/00; G06T-007/00; H04L-012/28;

H04L-012/48
International Patent Class (Additional): G06T-001/00; H04L-009/32 ;
H04L-012/22
File Segment: EPI

18/5/5 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011591134 **Image available**
WPI Acc No: 1998-008263/199801
XRPX Acc No: N98-006560

**Superimposed image data transmission method for multimedia applications -
transmitting original image data to receiver and revising original data
at receiver before comparison of original and revised image data to
form difference image which is recombined at receiver to form revised
image**

Patent Assignee: ERICSSON INC (TELF); ERICSSON GE MOBILE COMMUNICATIONS
INC (TELF)

Inventor: HASSAN A; MATTHEWS D; MATTEWS D G; MATTHEWS D G

Number of Countries: 077 Number of Patents: 009

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|--------------|------|----------|----------|
| US 5689562 | A | 19971118 | US 96682044 | A | 19960716 | 199801 B |
| WO 9803009 | A1 | 19980122 | WO 97US11977 | A | 19970709 | 199810 |
| AU 9736561 | A | 19980209 | AU 9736561 | A | 19970709 | 199823 |
| TW 342571 | A | 19981011 | TW 97109430 | A | 19970704 | 199908 |
| EP 913051 | A1 | 19990506 | EP 97933356 | A | 19970709 | 199922 |
| | | | WO 97US11977 | A | 19970709 | |
| CN 1225218 | A | 19990804 | CN 97196388 | A | 19970709 | 199949 |
| BR 9710329 | A | 19990817 | BR 9710329 | A | 19970709 | 199954 |
| | | | WO 97US11977 | A | 19970709 | |
| JP 2000514969 | W | 20001107 | WO 97US11977 | A | 19970709 | 200059 |
| | | | JP 98506130 | A | 19970709 | |
| KR 2000023787 | A | 20000425 | KR 99700267 | A | 19990115 | 200107 |

Priority Applications (No Type Date): US 96682044 A 19960716

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
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| US 5689562 | A | | 27 | H04L-009/00 | |
|------------|---|--|----|-------------|--|

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| WO 9803009 | A1 E | 60 | | H04N-001/417 | |
|------------|------|----|--|--------------|--|

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US
UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

| | | | | | |
|------------|---|--|--|--------------|----------------------------|
| AU 9736561 | A | | | H04N-001/417 | Based on patent WO 9803009 |
|------------|---|--|--|--------------|----------------------------|

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|-----------|---|--|--|-------------|--|
| TW 342571 | A | | | H04N-007/16 | |
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| EP 913051 | A1 E | | | H04N-001/417 | Based on patent WO 9803009 |
|-----------|------|--|--|--------------|----------------------------|

Designated States (Regional): DE FR GB SE

| | | | | | |
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| CN 1225218 | A | | | H04N-001/417 | |
|------------|---|--|--|--------------|--|

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|------------|---|--|--|--------------|----------------------------|
| BR 9710329 | A | | | H04N-001/417 | Based on patent WO 9803009 |
|------------|---|--|--|--------------|----------------------------|

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|---------------|---|----|--|-------------|----------------------------|
| JP 2000514969 | W | 55 | | H04N-001/41 | Based on patent WO 9803009 |
|---------------|---|----|--|-------------|----------------------------|

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|---------------|---|--|--|--------------|--|
| KR 2000023787 | A | | | H04N-001/417 | |
|---------------|---|--|--|--------------|--|

Abstract (Basic): US 5689562 A

The method involves storing an original image in an image
transmitting unit and transmitting in to an image receiving unit; The
original image is held in the image receiving unit and revised. The

revised image is also stored in the image transmitting unit. The revised and original **images** are **compared** and the **differences** between them determined. A difference image is formed based on these differences and is transmitted to the image receiving unit.

The difference image is added to the original image to recreate the revised image at the image receiving unit. The revised image is then stored in the image receiving unit. The original image and subsequent revised images are stored in a working image memory in the image transmitting unit.

USE/ADVANTAGE - E.g. fingerprint and signature data. Allows transmission of multi-resolution images via wireless devices in RF communication system. Only level of resolution required to provide agreed quality and intelligibility of image is transmitted to save bandwidth, power and transmission time.

Dwg.2/8

Title Terms: SUPERIMPOSED; IMAGE; DATA; TRANSMISSION; METHOD; APPLY;
TRANSMIT; ORIGINAL; IMAGE; DATA; RECEIVE; ORIGINAL; DATA; RECEIVE;
COMPARE; ORIGINAL; REVISED; IMAGE; DATA; FORM; DIFFER; IMAGE;
RECOMBINATION; RECEIVE; FORM; REVISED; IMAGE

Derwent Class: S05; W01; W02; W04

International Patent Class (Main): H04L-009/00 ; H04N-001/41; H04N-001/417
; H04N-007/16

International Patent Class (Additional): H04N-001/411; H04N-001/44;
H04N-007/167; H04N-007/32

File Segment: EPI

19/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05941542 **Image available**
IMAGE FORMING DEVICE

PUB. NO.: 10-224642 [JP 10224642 A]
PUBLISHED: August 21, 1998 (19980821)
INVENTOR(s): SATO TAKASHI
MAEDA MAMORU
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 09-039950 [JP 9739950]
FILED: February 08, 1997 (19970208)
INTL CLASS: [6] H04N-001/44; **H04K-001/06** ; H04N-001/21
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.2
(COMMUNICATION -- Transmission Systems); 44.7 (COMMUNICATION
-- Facsimile)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an image forming device by which leakage of secrecy is completely prevented in the process of transmission of a secret image formed by copying a confidential original to a transmission destination.

SOLUTION: In the transmission side of a confidential original, read data of the confidential original by a scanner section 1 are subject to FIFO first-in first-out processing and LIFO last-in first-out processing alternately and repetitively by an encryption decoding section 3 for each line, a change point of a picture element level for each line is detected, and an **encryption image** only the **level** of the picture elements is set to '1' is given to a write section 7, where an image is formed. In a receiver side, read data of the encrypted image are subject to FIFO processing and LIFO processing alternately and repetitively by an encryption decoding section 3 for each line, a picture element level of a valid image area is inverted based on a change point and the encrypted image is decoded and a write section 7 reproduces the image of the original confidential original. Thus, the confidential original encrypted whose decoding is disable is sent from the transmitter side, and the original confidential image cannot be reproduced before the receiver side decodes the original and then the security in the transmission process from the transmission source to the receiver is completely secured.

19/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013348004 **Image available**
WPI Acc No: 2000-519943/200047
XRPX Acc No: N00-385063

Digital image scramble parameter generation procedure involves converting input parameters and frequency information so as to obtain desired value via different levels of encoding based on standard image values

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|-------------|------|----------|----------|
| JP 2000201341 | A | 20000718 | JP 99508 | A | 19990105 | 200047 B |

Priority Applications (No Type Date): JP 99508 A 19990105

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2000201341 A 8 H04N-007/167

Abstract (Basic): JP 2000201341 A

NOVELTY - Scramble parameter p1 of standard digital image I1, spatial frequency distribution information s1 are input. The scramble parameter and frequency information s1 are converted, to obtain an adjusted value p'1 and s'1 during initial level encoding. The values are then converted to p'2 and s'2 of scrambled image I2. During display of image I2, resolution is readjusted such that value is p2, during encoding.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) image scramble parameter generator;

(b) recording medium for recording program

USE - For scrambling of digital image.

ADVANTAGE - Scrambling of lot of images in batch is performed by using standard image.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram of parameter generation process.

pp; 8 DwgNo 1/5

Title Terms: DIGITAL; IMAGE; SCRAMBLE; PARAMETER; GENERATE; PROCEDURE; CONVERT; INPUT; PARAMETER; FREQUENCY; INFORMATION; SO; OBTAIN; VALUE; LEVEL; ENCODE; BASED; STANDARD; IMAGE; VALUE

Derwent Class: W02

International Patent Class (Main): H04N-007/167

International Patent Class (Additional): H03M-007/30; H04K-001/04 ;

H04N-001/41; H04N-001/44

File Segment: EPI

19/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012700667 **Image available**

WPI Acc No: 1999-506776/199942

Apparatus for encoding gray- level image using bit surface conversion - NoAbstract

Patent Assignee: KOREA ELECTRONICS & TELECOM RES INST (KOEL-N); KOREA ELECTRONICS & TELECOM RES (KOEL-N)

Inventor: HAN J; KANG C; KIM C; KIM D; HAN J W; KANG C G; KIM C S; KIM D H

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| KR 98050954 | A | 19980915 | KR 9669802 | A | 19961221 | 199942 B |
| KR 224317 | B1 | 19991015 | KR 9669802 | A | 19961221 | 200108 |

Priority Applications (No Type Date): KR 9669802 A 19961221

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 98050954 A H04K-001/00

KR 224317 B1 H04K-001/00

Title Terms: APPARATUS; ENCODE; GRAY; LEVEL; IMAGE; BIT; SURFACE; CONVERT; NOABSTRACT

Derwent Class: W02

International Patent Class (Main): H04K-001/00

File Segment: EPI

?

"looks" at the image and understands its...

19/3,K/23 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04559212 Supplier Number: 46700877 (USE FORMAT 7 FOR FULLTEXT)
**Kodak Endorses Image Search and Retrieval Technology from Virage;
Market-Leading Visual Information Retrieval Technology to be Integrated
into Future FlashPix-based Products from Kodak.**
Business Wire, p09110074
Sept 11, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 457

... content and find images that look similar. The Virage VIR Image
Engine analyzes an image, **extracts** its visual features, and **compares** it
with other **images** to quantify similarity.

The VIR Image Engine actually "looks" at the image and understands its
...

19/3,K/24 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

04186780 Supplier Number: 46119502 (USE FORMAT 7 FOR FULLTEXT)
**Excalibur and Auto-trol Ink OEM Agreement for Technical Information
Management Market**
News Release, pN/A
Feb 2, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 722

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...And only Excalibur can extend its core technology beyond text, to
content-based retrieval of **images** and other data **types key** to our
markets and end-users." "Demand for document management in the engineering,
petrochemical and...

19/3,K/25 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

03005400 Supplier Number: 44079441 (USE FORMAT 7 FOR FULLTEXT)
Carmakers win at merchandise name game
Automotive News, v0, n0, p20
Sept 6, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 802

... crystal water goblets and Ferrari silk ties.
Though the association isn't always obvious, the **type** of product is
key to **image** enhancement.

Said Jeep's Kirkwood, 'You've got to bring something to the party. I

...

19/3,K/26 (Item 13 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

02589912 Supplier Number: 43439776 (USE FORMAT 7 FOR FULLTEXT)

FRENCH STARTUP SETS COLD-EMISSION CRT

Electronic News (1991), p16

Nov 9, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 342

... the FED-based tubes can be made flatter because they do not heat gases to **extract** electrons for display **images** . **Compared** to LCDs, the non-thermionic CRT displays are potentially simpler to manufacture, said Mr. Tournet...

19/3,K/27 (Item 14 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

02532863 Supplier Number: 43354222 (USE FORMAT 7 FOR FULLTEXT)

Video Encoder

Semiconductor Industry & Business Survey, v14, n13, pN/A

Oct 5, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 286

... well as a variety of roles in broadcast studios and post-production facilities. The new **EncoderPlus** allows four- **level** overlay mixing. Various **images** or patterns may be superimposed (keyed) over each other to form a final image that...

19/3,K/28 (Item 15 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

02522773 Supplier Number: 43337868 (USE FORMAT 7 FOR FULLTEXT)

Automated proof reading system

Manufacturing Chemist, p77

Oct, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 263

... 30 sec. The operator can then capture a second image of the incoming sample.

The **images** are **compared** with the **differences** displayed in contrasting black and white on a monitor. Missing or extra characters, words or...

19/3,K/29 (Item 16 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02503341 Supplier Number: 43309579 (USE FORMAT 7 FOR FULLTEXT)
TRW LSI Products Inc. Add The EncoderPlus To Its Line of Desktop Video Products

News Release, p1
Sept 21, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 761

... in
broadcast studios and post-production facilities.

Now, the Encoder is even better. The new **EncoderPlus** allows four-
level overlay mixing. Various **images**
or patterns may be superimposed
(keyed) over each other to form a final image that...

19/3,K/30 (Item 17 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02337837 Supplier Number: 43065232 (USE FORMAT 7 FOR FULLTEXT)
Intergraph Announces MicroStation I/RAS B on Sun SPARCstations
News Release, p1
June 9, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 561

... based Intergraph applications. In addition, the software
supports a number of data formats" run-length **encoded** (RLC), CALS
Type 1, tagged **image**
file format (TIFF) conversion, and TIFF Class B
data from other PC or workstation software...

19/3,K/31 (Item 18 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01845471 Supplier Number: 42336142 (USE FORMAT 7 FOR FULLTEXT)
New JSTARS unit unveiled
Defense & Aerospace Electronics, v1, n11, pN/A
Sept 2, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 87

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...upgraded man-machine interfaces and advanced image and graphics
workstations. Additional optional capabilities include: enhanced **image**
processing, multi- **level** security, embedded **encryption**, satellite
communications, secure cellular communications and specialized interfaces
that operate with C(3)I networks.

19/3,K/32 (Item 19 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01816706 Supplier Number: 42292404 (USE FORMAT 7 FOR FULLTEXT)
20/20 IMAGE PROOF READER WORKSTATION
News Release, p1
August 15, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 203

... a second. The operator can then
capture a second image of the incoming sample. Both **images** are
compared with the **differences** displayed in contrasting black and
white on the monitor. Any error detected can be magnified...

19/3,K/33 (Item 20 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01790490 Supplier Number: 42252468 (USE FORMAT 7 FOR FULLTEXT)
20/20 IMAGE PROOF READER WORKSTATION MODEL 492
News Release, p1
July 31, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 203

... a second. The operator can than
capture a second image of the incoming sample. Both **images** are
compared with the **differences** displayed in contrasting black and
white on the monitor. Any error detected can be magnified...

19/3,K/34 (Item 21 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01593953 Supplier Number: 41960622 (USE FORMAT 7 FOR FULLTEXT)
MULTIMEDIA MOVES TO THE MASSES
Electronic Engineering Times, p8
March 28, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1374

... systems. The company eventually introduced hierarchical vector
quantization, or HVQ, its own encoding technique that **encodes images** in
different **levels** of **image** resolution.

PictureTel also is working with Intel Corp.'s Princeton, N.J.,
division to develop...

19/3,K/35 (Item 22 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01388384 Supplier Number: 41652144 (USE FORMAT 7 FOR FULLTEXT)
NASA's Cosmic Background Explorer operational
Space Commerce Bulletin, pN/A
Nov 2, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 84

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...by same instrument in near infrared wavelength that revealed millions of stars in that galaxy. **Comparison** of **images** shows **difference** in spatial distribution of galaxy's stellar and interstellar components.

19/3,K/36 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10941250 SUPPLIER NUMBER: 54343197 (USE FORMAT 7 OR 9 FOR FULL TEXT)

ImageCast 3.0.(hard disk drive cloning software)(Software Review)(Evaluation)

Lawson, Karen; Staedtler, Dan
Information Technology and Libraries, 18, 1, 43(1)
March, 1999

DOCUMENT TYPE: Evaluation ISSN: 0730-9295 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1118 LINE COUNT: 00090

... NAL). By taking before and after snapshots of the Windows 95/NT system and then **comparing differences**, an application **image** can be created. This image can then be delivered to other computers using either stand...

19/3,K/37 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09938784 SUPPLIER NUMBER: 20096091 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Why CEOs don't run for governor. (Hawaii's business community and politics)(Interview)(Cover Story)

Wood, Bill
Hawaii Business, v43, n4, p10(5)
Oct, 1997

DOCUMENT TYPE: Interview Cover Story ISSN: 0440-5056 LANGUAGE:

English RECORD TYPE: Fulltext

WORD COUNT: 3015 LINE COUNT: 00226

... the governor's pay, and if we're talking about the Council or Legislature, the **differences** are even greater. Council members and legislators only earn around \$35,000 a year - almost entry- **level pay** for **key** jobs at some companies. So you have to be prepared to give up a substantial...

19/3,K/38 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09658962 SUPPLIER NUMBER: 19434540 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Security at the touch of a finger. (PrintScan International Inc.'s
PrintScan Core software) (QuickLook)**
Sciannamea, Mike
Electronic Design, v45, n6, p64L(1)
March 17, 1997
ISSN: 0013-4872 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 434 LINE COUNT: 00038

... the same degree of accuracy. Minutiae from a scanned fingerprint are encoded and stored, then **compared** to the **image** of the actual fingerprint being presented. Coincident Sequencing refers to the information that is **extracted** and used to compare the fingerprints. This includes the type of minutiae (i.e., a...

19/3,K/39 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08244429 SUPPLIER NUMBER: 17496354 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Sony joins MPEG-1 fray. (Sony Electronics' RTE-3000 real-time MPEG-1
encoder system) (Product Announcement)**
Yoshida, Junko
Electronic Engineering Times, n870, p18(1)
Oct 16, 1995
DOCUMENT TYPE: Product Announcement ISSN: 0192-1541 LANGUAGE:
English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 384 LINE COUNT: 00035

...ABSTRACT: adaptive-bit-rate encoding that looks ahead at the incoming video sequence to optimize the **level** of **encoding** required for specific **images** . The RTE-3000 uses bit-rate conservation technology that analyzes the incoming video signal and...

19/3,K/40 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08065826 SUPPLIER NUMBER: 17179593 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Nikon Scantouch reflects well on gray, color images. (Hardware
Review) (Evaluation)**
Long, Ben
MacWEEK, v9, n32, p35(3)
August 14, 1995
DOCUMENT TYPE: Evaluation ISSN: 0892-8118 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1573 LINE COUNT: 00126

... a Histogram button will display a small histogram window, making it easy to see what **key type** your **image** is.

With its thorough color controls, resizable window and excellent previewing features, Nikon Scan gives...

19/3,K/41 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07669796 SUPPLIER NUMBER: 16523027 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MPEG sales poised to take off; DirecTV makes MPEG video a consumer phenomenon. (Motion Picture Experts Group standard)
Doherty, Richard
Microprocessor Report, v9, n1, p14(3)
Jan 23, 1995
ISSN: 0899-9341 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2073 LINE COUNT: 00159

... for many years while silicon and card-level vendors each defined their own methods of **image** scanning, compression **levels**, variable-bit-rate **encoding** schemes, and so forth. Only after Adobe, then Apple (in QuickTime), and finally Microsoft adopted...

19/3,K/42 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07591171 SUPPLIER NUMBER: 15971100 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Future Pirates purchases Japan's first Cineon digital film workstation.
Business Wire, p12131015
Dec 13, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 812 LINE COUNT: 00068

... image files for output to feature film, NTSC/PAL video, HDTV and CD-ROM quality **levels**.

Other **key** features includes an **image** stabilization tool for eliminating unsteadiness; a motion tracking tool for automating the process of following...

19/3,K/43 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07186231 SUPPLIER NUMBER: 15037691 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Processors aim at desktop video: special hardware brought to bear on compression problem. (focuses on IIT's Vision Controller Processor video processor) (includes related glossary of video and compression terms and acronyms)
Feigel, Curtis P.
Microprocessor Report, v8, n2, p12(6)
Feb 14, 1994
ISSN: 0899-9341 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3697 LINE COUNT: 00299

... of the redundancy and regularity in a sequence of images. The first, called predictive coding, **compares** each **image** with the previous one and **encodes** the **differences**. The second, called interpolative coding, represents intervening images as the difference between two non-adjacent...

19/3,K/44 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06498916 SUPPLIER NUMBER: 14156046 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Automatic optical inspection in the assembly process.

Tinnerino, Natale F.

Solid State Technology, v36, n6, p77(5)

June, 1993

ISSN: 0038-111X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1302

LINE COUNT: 00103

... images because the method is heavily dependent on pixel by pixel comparison to detect defect **differences**. The correlation for **image comparison** is illustrated in Fig. 3 for a black and white fiducial image. The fiducial image...

...satisfy this correlation represents the alignment error, which may then be corrected.

After alignment, both **images** are again **compared** pixel by pixel. Any **differences**, such as the chip-out, shown in Fig. 2a, will result in a difference error...

19/3,K/45 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

06373517 SUPPLIER NUMBER: 13110887 (USE FORMAT 7 OR 9 FOR FULL TEXT)

HDTV REPORT PUBLISHES EXCLUSIVE HDTV PROPONENT VIDEO QUALITY RESULTS

PR Newswire, 0203DC026

Feb 03, 1993

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 348

LINE COUNT: 00030

... The charts -- from an FCC working party draft report on advanced television -- carry viewer scores **comparing** the **differences** between **images** rendered by each proponent system and studio source material. A special panel of the Advisory...

19/3,K/46 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

06200255 SUPPLIER NUMBER: 13528096 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Photonics for noncontact void detection. (Photonics at Work)

Kaplan, Herbert

Photonics Spectra, v26, n10, p82(2)

Oct, 1992

ISSN: 0731-1230

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1096

LINE COUNT: 00087

... and feeds it to the system image processor where it is stored. Subsequent frames are **compared** to the reference **image** and the resulting **difference** image is displayed on the monitor.

To test the part, a uniform stress (pressure, vibration...

19/3,K/47 (Item 12 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

05855675 SUPPLIER NUMBER: 12186897 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Little-known imaging package pleases users. (PCI Remote Sensing Corp.'s

Easi/Pace)

Schwartz, Karen D.

Government Computer News, v11, n9, p51(1)

April 27, 1992

ISSN: 0738-4300

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 382

LINE COUNT: 00032

... Kursk Experiment, analysts run Easi/Pace on a Silicon Graphics Iris workstation under Irix to **extract** data from satellite and aircraft **images** .

They **compare** the measurements for specific crops to measurements taken on the ground.

19/3,K/48 (Item 13 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

04881509 SUPPLIER NUMBER: 09688609 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Word processors for page layout. (word publishers can be an economic alternative to costly desktop publishers) (Government Buyer's Guide) (buyers guide)

McCormick, John

Government Computer News, v9, n26, p49(2)

Dec 10, 1990

DOCUMENT TYPE: buyers guide

ISSN: 0738-4300

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2253 LINE COUNT: 00174

... are if no one reads the document. After ideas have been translated into words and **images** , design becomes the **key** factor.

Choosing the **Type** Font

One of the most important steps in design is the choice of type font

...

19/3,K/49 (Item 14 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

03925404 SUPPLIER NUMBER: 07635293 (USE FORMAT 7 OR 9 FOR FULL TEXT)

AIGA expo blazes digital trails. (American Institute of Graphic Arts)

Craig, Elinor

MacWEEK, v3, n21, p39(1)

May 23, 1989

ISSN: 0892-8118

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 239

LINE COUNT: 00018

... Graphic Arts Communication Graphics 1988-89 exhibition here, May 18 through June 16.

Computer-generated **images** and **type** are playing a **key** role in ranking the 155 finalists.

"This show will help us all to understand how...

19/3,K/50 (Item 15 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

03919579

SUPPLIER NUMBER: 07625553

(USE FORMAT 7 OR 9 FOR FULL TEXT)

Blue sky comes down to earth. (National Association of Broadcasters annual broadcast equipment exhibition - special section)

Sukow, Randy; Jessell, Harry

Broadcasting, v116, n20, p35(8)

May 15, 1989

ISSN: 0007-2028

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 9279

LINE COUNT: 00720

... MII and Betacam SP formats. If subsequent generations remain in the digital domain, the quality **difference** compared to **images** originally recorded digitally will be indiscernable.

Nevertheless, Sony introduced a portable D-2 recorder, the...

19/3,K/51 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

02057315

NEW HIGH SPEED, LOW POWER IMAGE COMPRESSION PROCESSOR INCREASES PERFORMANCE FOR BROAD RANGE OF APPLICATIONS

News Release September 6, 1988 p. 1

... electronic document storage systems, according to Bob Brummer, product manager. The 72185 performs all three **types** of **image encoding** and decoding specified by the CCITT, including Modified Huffman (MH), Modified Relative Element (MR) and...

19/3,K/52 (Item 2 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01985565

GE INTRODUCES DUAL COIL ACCESSORY KIT FOR SIGNA MR SYSTEM

News Release April 1, 1988 p. 1

... by allowing acquisition from two areas simultaneously. It also provides the ability to view subtle **differences** in side-by-side **comparison images** of the TMJ or other anatomic regions where bi-lateral imaging is desirable -- such as...

19/3,K/53 (Item 3 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01332851

A CHIP THAT MAY WIPE OUT SNOW OFF TV SCREENS.

BUSINESS WEEK (INDUSTRIAL EDITION) March 31, 1986 p. 73

... developed an integrated circuit that helps produce clearer TV images. The chip works by simultaneously **comparing** 3 digitized **images** to spot any **differences**. Previous attempts to apply the concept had been unsuccessful because the edges of rapidly moving...

19/3,K/54 (Item 4 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

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00342856

Unlike image enhancement, image restoration is an objective process usually aimed at making an image truly sharp and better defined than the original by correcting for, or canceling out, specific degradation components in the image.

Photomethods March, 1976 p. 40-421

... an intimate knowledge of such concepts as point spread functions, Fourier transforms and the like. Image enhancement, by comparison, is not synonymous with information extraction. Enhancement is a subjective process designed to make the image look different, perhaps more pleasing...

19/3,K/55 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

02183726 SUPPLIER NUMBER: 20776579 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Creo shows Delta connection. (Creo Products to connect Heidelberg Delta Technology with its Trendsetters) (Product Announcement)

Seybold Report on Publishing Systems, v27, n14, p20(1)

April 13, 1998

DOCUMENT TYPE: Product Announcement ISSN: 0736-7260 LANGUAGE:

English RECORD TYPE: Fulltext

WORD COUNT: 267 LINE COUNT: 00026

... editable pages that can quickly be trapped, imposed and rasterized. The 2.0 version includes Level 2 run-length-encoded image compression and Group 4 compression for copydot-scanning workflows.

Finally, Creo announced a new name...

19/3,K/56 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

02055226 SUPPLIER NUMBER: 19208827 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Monitoring Oracle databases. (writing, deploying intelligent scripts)

(Product Support) (Tutorial)

Lemme, Steve

UNIX Review, v15, n4, p45(5)

April, 1997

DOCUMENT TYPE: Tutorial ISSN: 0742-3136 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1804 LINE COUNT: 00210

... name,1,20) OBJECT,
c.username,
substric.program,length(c.program)-20,
length(c.program)) image ,
decode (b. type ,

'MR', 'Media Recovery',

'RT', 'Redo Thread',

'UN', 'User Name',

'TX', 'Transaction',

'TM', 'DML',

'UL', 'PL...

19/3,K/57 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02036265 SUPPLIER NUMBER: 18984321 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Quark goes interactive. (Quark's QuarkImmedia multimedia authoring software) (includes related article on using QuarkImmedia) (Product Information)

Assadi, Barbara

Macworld, v14, n2, p155(4)

Feb, 1997

ISSN: 0741-8647 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1737 LINE COUNT: 00135

... com) SoundEdit 16, to sample sound at points between 44. 1kHz and 5.5kHz. This **difference** is **comparable** to scanning an **image** at 600 dpi or at 72 dpi; simply put, the higher the kilohertz, the more...

19/3,K/58 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01986265 SUPPLIER NUMBER: 18716449 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Image Search Engine Debuts.

Newsbytes, pNEW09300049

Sep 30, 1996

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 59 LINE COUNT: 00007

TEXT:

...Internet search engine that allows users to find images has just begun. At the Interpix **Image** Surfer, users can **type** in **key** words or pick a category. Pictures from Web sites within the corresponding choice are displayed...

19/3,K/59 (Item 5 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01967636 SUPPLIER NUMBER: 18473494

Don't colour me purple. (guidelines for purchasing a graphics card) (includes product features table) (Buyers Guide)

Mitchell, John

Computer Weekly, p42(3)

June 20, 1996

DOCUMENT TYPE: Buyers Guide ISSN: 0010-4787 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1886 LINE COUNT: 00288

TEXT:

...PC hardware. Such cards are not cheap, yet choosing the right one can make the **difference** between crystal sharp, colour **images** and **comparatively** blurred displays. John Mitchell gets under the lid

19/3,K/60 (Item 6 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01858099 SUPPLIER NUMBER: 17624565 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Easy way to scan and store images. (DDL Systems Consulting's Easy Image Lite
document image processing system with built-in OCR) (Software
Review) (Evaluation)

Gordon, Martin

PC User, n263, p79(2)

July 12, 1995

DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1459 LINE COUNT: 00116

... has been defined, this may be altered for each individual database created.

To define an **image** database, a sequence of windows is presented in order to define the **key types** and sizes which will be used to archive your **images**. The first key has five fields and up to 12 more keys may be specified, although keeping it simple **pays** off in terms of speed and archive space.

Look-up and auto-incrementing numeric fields are among the **key types** available for indexing. External Q-PRO 4 databases can also be used for look-up...

19/3,K/61 (Item 7 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01811409 SUPPLIER NUMBER: 17315102 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The resolution solution. (finding the best resolution for scanned images)

Lawler, Brian P.

MacUser, v11, n9, p101(2)

Sep, 1995

ISSN: 0884-0997 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1641 LINE COUNT: 00129

... given halftone frequency (lpi) of an image yields smaller file sizes, often without a noticeable **difference** in printed- **image** quality. **Compare** these numbers for a typical 4-x-5-inch CMYK image.

85 lpi 133 lpi...

19/3,K/62 (Item 8 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01665679 SUPPLIER NUMBER: 15045460 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A photographic memory for the digital age. (Kodak Photo CD) (includes related articles on highlights, dedicated Photo CD players)

Grunin, Lori

PC Magazine, v13, n4, p157(8)

Feb 22, 1994

ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 6074 LINE COUNT: 00466

... software then interpolates the 4X subsampled image back up to the size of the 2X **image** and **compares** the two; it then stores the **differences** for all three channels, called residuals (the process is known

as decimation). The residuals are compressed using lossless Huffman encoding .

In a similar process, the 4X subsampled image is shrunk yet again by 2X and...

19/3,K/63 (Item 9 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01596257 SUPPLIER NUMBER: 13760423 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A whole new image. (HP R & D Manager Jim Sartain, Dynamic Information Systems Inc. R & D Manager Eric Savage, and Bradmark Technologies Inc. Pres Brad Tashenberg discuss enhancements to HP's TurboImage database) (Panel Discussion)

Marks, Don

HP Professional, v7, n4, p16(6)

April, 1993

DOCUMENT TYPE: Panel Discussion ISSN: 0896-145X LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4443 LINE COUNT: 00343

...ABSTRACT: interface (TPI) will increase standardization of the DBMS and enable textual searches, partial- and multiple- **key** searches and other **types** of searches. **IMAGE** /SQL will not support third-party indexing at first, and HP is attempting to implement...

19/3,K/64 (Item 10 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01541042 SUPPLIER NUMBER: 12743833 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Implementing an audit trail. (Data Integrity) (Tutorial)

Friedman, Ted

Data Based Advisor, v10, n10, p99(7)

Oct, 1992

DOCUMENT TYPE: Tutorial ISSN: 0740-5200 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3334 LINE COUNT: 00262

... add the operation-dependent code for each data change operation, such as formatting the before- **image** , after- **image** , **key** , table name, and **type** of change. Fig. 4 shows a pseudocode representation of how the data capture logic appears...

19/3,K/65 (Item 11 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01528977 SUPPLIER NUMBER: 12486901 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Plugging in to PhotoShop. (plug-in equipment for Adobe Systems Inc.'s Adobe PhotoShop image processing package) (Desktop Publishing: Graphics) (Buyers Guide)

Roney, Michael

MacUser, v8, n9, p203(8)

Sept, 1992

DOCUMENT TYPE: Buyers Guide ISSN: 0884-0997 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3960 LINE COUNT: 00312

... can protect them from prying eyes with Candela's ColorCrypt plug-in, which provides multiple **levels** of **image encryption** by using a personal-password scheme (see Figure 5). Encrypted images are displayed as electronic...

19/3,K/66 (Item 12 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01520562 SUPPLIER NUMBER: 12324083 (USE FORMAT 7 OR 9 FOR FULL TEXT)

SQA:Robot for Windows v. 1.15: Software Quality Automation Inc. (Software Review) (one of 11 software testing tools evaluated in When You Need a Bigger Hammer) (Product-Wrap-Up) (Evaluation)

Murphy, Thomas

Computer Language, v9, n7, p74(2)

July, 1992

DOCUMENT TYPE: Evaluation ISSN: 0749-2839 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 698 LINE COUNT: 00051

... or monitoring several other events from the message cue. Screen images can be captured and **compared** with **images** on file. When a **difference** is found, the Capture Image Test Case will save the failed image. You can then...

19/3,K/67 (Item 13 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01470353 SUPPLIER NUMBER: 12746285

Registration of multimodality medical images using a region overlap criterion. (Technical)

Gerlot-Chiron, Pascale; Bizais, Yves

CVGIP: Graphical Models and Image Processing, v54, n5, p396(11)

Sept, 1992

DOCUMENT TYPE: Technical ISSN: 1049-9652 LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

...ABSTRACT: one to relate pieces of information available in several images of a given scene. Matching **images** involves the **comparison** technique, in which the **differences** in images induced by actual scene modifications are estimated, and the registration technique, in which...

19/3,K/68 (Item 14 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01350901 SUPPLIER NUMBER: 08166666 (USE FORMAT 7 OR 9 FOR FULL TEXT)

CD-ROM hit parade. (guide to CD-ROM publications) (buyers guide)

Onosko, Timothy

MacUser, v6, n4, p160(11)

April, 1990

DOCUMENT TYPE: buyers guide ISSN: 0884-0997 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4395 LINE COUNT: 00350

... 3 Postscript faces, which do not reproduce at small sizes as well as Adobe's **encrypted Type** 1 faces do.

Image Club
1802 11th St., Suite 5
S.E. Calgary, Alberta TSG 3G2
Canada
(403) 262...

19/3,K/69 (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01319549 SUPPLIER NUMBER: 07515290 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Shared libraries.
Gingell, Robert A.
UNIX Review, v7, n8, p56(9)
August, 1989
ISSN: 0742-3136 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5669 LINE COUNT: 00452

... VAX architecture computers, supports sharing at the granularity of an image; for our purposes, VMS **images** can be considered **comparable** to Multics segments. A important **difference** between the sharing system implemented under VMS and that of Multics or TENEX is that...

19/3,K/70 (Item 16 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01213467 SUPPLIER NUMBER: 06110924 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Screen gems. (Hardware Review) (evaluations of five black and white monitors) (evaluation)
Bican, Frank
PC Magazine, v6, n20, p145(10)
Nov 24, 1987
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5713 LINE COUNT: 00434

... the screen after a user-definable period of inactivity. As with other programs of this **type**, pressing any **key** restores the video **image**. The FONT Utility allows an alternate character set to be displayed in place of the...

19/3,K/71 (Item 17 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01156055 SUPPLIER NUMBER: 06008532
Hypothesis integration in image understanding systems. (technical)
Hwang, Vincent Shang-Shouq; Davis, Larry S.; Matsuyama, Takashi
Computer Vision, Graphics & Image Processing, v36, n2-3, p321(51)
Nov-Dec, 1986
DOCUMENT TYPE: technical ISSN: 0734-189X LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: interpretation, the mapping of congruencies between objects and the models. IUSs use bottom-up analysis, **extracting** objects from the **image** and **comparing** them to the model, and top-down analysis, selecting a model then locating an instance...

19/3,K/72 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2004 The Gale Group. All rts. reserv.

01079265 Supplier Number: 40445340 (USE FORMAT 7 FOR FULLTEXT)

New e-beam probing system revolutionizes VLSI failure evaluation

News Release, p1

July 14, 1988

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 554

... of
stroboscopic images of the device and determine the site of a failure through sophisticated **image** processing.

An **image comparison** process yields a sequence of **difference** images
that shows the propagation of a fault from its origin to the bond pad...

19/3,K/73 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2004 The Gale Group. All rts. reserv.

01011294 Supplier Number: 39603888 (USE FORMAT 7 FOR FULLTEXT)

FULL-PAGE ON-SCREEN FONTS AND DRAWING FOR MS-DOS

PR Newswire, pN/A

Oct 1, 1985

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 275

... memory) through instant, automatic scrolling, and displays a "what-you-see-is-what-you-get" **image** as the user **types** and draws. One **key**
shows a mini-picture of the entire page; another key prints the page immediately on...

19/3,K/74 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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04010314 Supplier Number: 53185994 (USE FORMAT 7 FOR FULLTEXT)

-NORTHROP GRUMMAN: Northrop Grumman unit part of team selected for mail processing contract.

M2 Presswire, pNA

Nov 5, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 487

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...provide the capability to feed mail via automated feed stations, automatically read bar codes, acquire **images** of script and **typed** mail for video **encoding** and process mail using optical character reader recognition technology. Work under this initial contract award...

19/3,K/75 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03590819 Supplier Number: 47433462 (USE FORMAT 7 FOR FULLTEXT)

QMS PRODUCT LINE TO QUALIFY WITH FILENET SOFTWARE

Online Product News, v16, n6, pN/A

June 1, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 841

... process bi-level CCITT Group 3 and Group 4 compressed TIFF, CALS , raster and PostScript **Level 2** fax **encoded image** files. It is planned that this high-speed interface will offer FileNet customers the ability...

19/3,K/76 (Item 3 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03555349 Supplier Number: 47352849 (USE FORMAT 7 FOR FULLTEXT)

QMS AND FILENET TEAM TO DELIVER PRODUCTS

Worldwide Databases, v9, n5, pN/A

May 1, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 843

... process bi-level CCITT Group 3 and Group 4 compressed TIFF, CALS , raster and PostScript **Level 2** fax **encoded image** files. It is planned that this high-speed interface will offer FileNet customers the ability...

19/3,K/77 (Item 4 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03392197 Supplier Number: 46979536 (USE FORMAT 7 FOR FULLTEXT)

VIRAGE: Virage inks licensing deals for visual info retrieval technology with three multimedia companies

M2 Presswire, pN/A

Dec 17, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 690

... content and find images that look similar. The Virage VIR Image Engine analyzes an image, **extracts** its visual features, and **compares** it with other **images** to quantify similarity. The VIR Image Engine actually "looks" at the image and understands its...

19/3,K/78 (Item 5 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02891773 Supplier Number: 45875514 (USE FORMAT 7 FOR FULLTEXT)

ONLINE DISTRIBUTION GROWS CUSTOMER BASE; PhotoDisc Site Also Improves

Customer Service, Boosts Sales

Internet Week, v1, n29, pN/A

Oct 23, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 854

... Product Distribution System OneServer, consumers can simply access the company's web site, choose an **image** from the online catalog, **pay** for it electronically, and download it immediately. "We've set up a system that allows people to **type** in a **key** word and browse through our library of **images**, and purchase them as single **images** or buy a CD ROM collection and have it delivered the next day," said Hughes. Putting the catalog online allows customers to purchase **images** more efficiently, he said. The new system also gives customers faster service and a broader...

19/3,K/79 (Item 6 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

02608157 Supplier Number: 45276194 (USE FORMAT 7 FOR FULLTEXT)

Trees Beneath the Clouds

M2 Presswire, pN/A

Jan 20, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1711

... intensity of selective logging, infrastructure, human settlements and agricultural activities in existing clearings.

The subsequent **comparison** between SAR **images** and the data sets **extracted** from ground truth campaigns and Mir photographs made it possible to clearly distinguish a number...

19/3,K/80 (Item 7 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02451942 Supplier Number: 44897992 (USE FORMAT 7 FOR FULLTEXT)

SOUTHWESTERN BELL SLASHES COSTS WITH IMAGE, ICR TECHNOLOGY

Item Processing Report, v5, n15, pN/A

August 4, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1644

... as well, said Black. Of course, there are other efficiencies gained through the use of **image** that are more difficult to measure, but those keystrokes saved are what managers are looking for. "Keystrokes equal FTEs," he said.

Encoding Error Level Decreases

Another important factor is that CAR appears to be doing its job at a
...

...level. As explained by Jeff Vetterick, marketing manager for Recognition's remittance division, all check **images** are routed through the CAR server, which then returns data back to the data server. On a full **pay**, the CAR reading should match the amount shown on the scan line or an amount...

19/3,K/81 (Item 8 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01119484 Supplier Number: 40846725 (USE FORMAT 7 FOR FULLTEXT)
Document image different from data
Data Storage Report, v5, n5, pN/A
July, 1989
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 123

Document image records are much larger than traditional data **types**, and are not **encoded**. Consequently, document **image** processing demands an architecture with raw data manipulation bandwidth, rather than computational bandwidth. DTI has...

19/3,K/82 (Item 9 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01045575 Supplier Number: 40529038 (USE FORMAT 7 FOR FULLTEXT)
CAPITOL VIDEO OFFERS CD-I PREMASTERING (By Mary Ann O'Connor)
Optical Information Systems Update, v7, n14, pN/A
Oct 1, 1988
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 176

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Management, CD-I Specific Audio Production, CD-I Audio Encoding, Image Digitization, and CD-I **Encoding** to all **image levels**.

| Set | Items | Description |
|------|--|---|
| S1 | 426977 | HASH? OR ENCRYPT? OR ENCRYPT? OR CRYPTO? OR CRIPTO? OR KEY? ? OR ENCIPHER? OR DECOD? OR ENCOD? OR DECRYPT? |
| S2 | 2299012 | LEVEL? ? OR TYPE? ? OR GRADE? ? |
| S3 | 329656 | PAY? |
| S4 | 599876 | IMAGE? ? OR INDICIA OR INDICIUM |
| S5 | 1835144 | COMPAR? |
| S6 | 816568 | EXTRACT? OR DIFFERENCE? |
| S7 | 8486 | S1(5N)S2 |
| S8 | 186 | S7(7N)S4 |
| S9 | 19 | S7(7N)S3 |
| S10 | 17 | S8 AND S6 |
| S11 | 0 | S7(20N)S3(20N)S4 |
| S12 | 14943 | S4(5N)S5 |
| S13 | 1002 | S12(25N)S6 |
| S14 | 906 | S12 AND S1 |
| S15 | 337 | S12(5N)S6 |
| S16 | 62 | S13 AND S1 |
| S17 | 97 | S16 OR S9 OR S10 |
| S18 | 71 | S17 NOT PY>2000 |
| S19 | 71 | S18 NOT PD=20000525:20040910 |
| S20 | 70 | RD (unique items) |
| File | 2:INSPEC 1969-2004/Aug W5 | (c) 2004 Institution of Electrical Engineers |
| File | 35:Dissertation Abs Online 1861-2004/Aug | (c) 2004 ProQuest Info&Learning |
| File | 65:Inside Conferences 1993-2004/Sep W1 | (c) 2004 BLDSC all rts. reserv. |
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| File | 233:Internet & Personal Comp. Abs. 1981-2003/Sep | (c) 2003 EBSCO Pub. |
| File | 474:New York Times Abs 1969-2004/Sep 09 | (c) 2004 The New York Times |
| File | 475:Wall Street Journal Abs 1973-2004/Sep 09 | (c) 2004 The New York Times |
| File | 583:Gale Group Globalbase(TM) 1986-2002/Dec 13 | (c) 2002 The Gale Group |
| File | 256:TecInfoSource 82-2004/Jul | (c)2004 Info.Sources Inc |

20/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7011481 INSPEC Abstract Number: B2001-09-6135C-354, C2001-09-5260B-727

Title: Image authentication and integrity verification via content-based watermarks and a public key cryptosystem

Author(s): Chang-Tsun Li; Der-Chyuan Lou; Tsung-Hsu Chen

Author Affiliation: Dept. of Electr. Eng., Chung Chen Inst. of Technol., Taoyuan, Taiwan

Conference Title: Proceedings 2000 International Conference on Image Processing (Cat. No.00CH37101) Part vol.3 p.694-7 vol.3

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 3 vol.(lxviii+1027+957+1000) pp.

ISBN: 0 7803 6297 7 Material Identity Number: XX-2001-00128

U.S. Copyright Clearance Center Code: 0 7803 6297 7/2000/\$10.00

Conference Title: Proceedings of 7th IEEE International Conference on Image Processing

Conference Sponsor: IEEE Signal Process. Soc

Conference Date: 10-13 Sept. 2000 Conference Location: Vancouver, BC, Canada

Language: English

Subfile: B C

Copyright 2001, IEE

Title: Image authentication and integrity verification via content-based watermarks and a public key cryptosystem

...Abstract: extracted as watermark and partitioned into blocks. Secondly, neighboring feature map blocks are blended and **encrypted** for insertion. On the receiver side, the feature map from the received **image** is **extracted** again and **compared** against the recovered watermark to verify the integrity and authenticity. In addition the capability of...

...Identifiers: public **key cryptosystem** ;

20/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6847739 INSPEC Abstract Number: B2001-04-6135E-007, C2001-04-5260B-017

Title: AERICOMP: an aerial photo comparison system

Author(s): Grewe, L.L.; Rowe, N.; Baer, W.

Author Affiliation: California Univ., Monterey Bay, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4052 p.118-27

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2000 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2000)4052L:118:AAPC;1-J

Material Identity Number: C574-2000-207

U.S. Copyright Clearance Center Code: 0277-786X/2000/\$15.00

Conference Title: Signal Processing, Sensor Fusion, and Target Recognition IX

Conference Sponsor: SPIE

Conference Date: 24-26 April 2000 Conference Location: Orlando, FL, USA

Language: English

Subfile: B C

Copyright 2001, IEE

...Abstract: detection, automatic refined registration, feature difference detection and reduction, feature difference presentation and operator acceptance, **difference** identification, and database update. It emphasizes line segments for comparisons because **differences** in them are more robust for photometric changes between terrain **images**. In addition, line segment **comparisons** require less computation than pixel comparisons and are more compatible with identification tasks. For our...

...structures is of much greater importance than changes in vegetation, and line segments are the **key** to identifying such structures. We show results involving change analysis between color IR and black...

... same area six years apart. Even a mostly automatic system benefits from user interacting at **key** points. AERICOMP exploits user judgements at the beginning and end of its processing to assist...

20/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6845780 INSPEC Abstract Number: B2001-03-6135-194, C2001-03-5260D-054

Title: Model based video segmentation

Author(s): Dalong Li; Hanqing Lu

Author Affiliation: Inst. of Autom., Acad. Sinica, China

Conference Title: 2000 IEEE Workshop on SIGNAL PROCESSING SYSTEMS. SiPS 2000. Design and Implementation (Cat. No.00TH8528) p.120-9

Editor(s): Bayoumi, M.A.; Friedman, E.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA xv+836 pp.

ISBN: 0 7803 6488 0 Material Identity Number: XX-2000-02454

U.S. Copyright Clearance Center Code: 0 7803 6488 0/2000/\$10.00

Conference Title: 2000 IEEE Workshop on SIGNAL PROCESSING SYSTEMS. SiPS 2000. Design and Implementation

Conference Sponsor: IEEE Signal Process. Soc.; IEEE Circuits & Syst. Soc

Conference Date: 11-13 Oct. 2000 Conference Location: Lafayette, LA, USA

Language: English

Subfile: B C

Copyright 2001, IEE

...Abstract: efficient video classification and management are becoming more and more important. Video partitioning is a **key** issue in video classification. The video partitioning involves the detection of boundaries between uninterrupted segments...

...called camera break). Detection of a gradual transition is considered to be difficult. Block-based **image comparison** was proposed to detect shot boundaries. Unfortunately, if the **differences** of the corresponding blocks in the images are measured by gray levels, the method will...

20/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6814484 INSPEC Abstract Number: B2001-02-6135E-077, C2001-02-1250B-007

Title: Edge detection through information fusion using fuzzy and evidential reasoning concepts

Author(s): Solaiman, B.; Lecornu, L.; Roux, C.

Author Affiliation: Dept. ITI, ENST de Bretagne, Brest, France
Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.4051 p.267-78
Publisher: SPIE-Int. Soc. Opt. Eng.,
Publication Date: 2000 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(2000)4051L:267:EDTI;1-J
Material Identity Number: C574-2000-174
U.S. Copyright Clearance Center Code: 0277-786X/2000/\$15.00
Conference Title: Sensor Fusion: Architectures, Algorithms, and
Applications IV
Conference Sponsor: SPIE
Conference Date: 25-28 April 2000 Conference Location: Orlando, FL,
USA
Language: English
Subfile: B C
Copyright 2001, IEE

...Abstract: and edge detection symbolic information level. From the
image, evidences concerning edges and regions are **extracted** using fuzzy
membership functions as well as contextual information. The proposed
approach can be decomposed...

... interest of this step is to consider membership functions as being
observed evidences instead of **image** gray **level** values. The **key** idea
of the second step is to use all the information about regions, edges and
contextual data in the edge **extraction** process. Obtained results are
encouraging and the proposed methodology is shown to be robust to...

...Identifiers: edge **extraction** ;

20/3,K/5 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6721333 INSPEC Abstract Number: A2000-21-6220P-010, C2000-11-7320-034

Title: **Scale-invariant analysis of wear particle surface morphology. III.**
Pattern recognition

Author(s): Podsiadlo, P.; Stachowiak, G.W.
Author Affiliation: Dept. of Mech. & Mater. Eng., Western Australia
Univ., Nedlands, WA, Australia
Journal: Wear vol.242, no.1-2 p.189-201
Publisher: Elsevier,
Publication Date: July 2000 Country of Publication: Switzerland
CODEN: WEAR CJ ISSN: 0043-1648
SICI: 0043-1648(200007)242:1/2L:189:SI AW;1-V
Material Identity Number: W029-2000-012
U.S. Copyright Clearance Center Code: 0043-1648/2000/\$20.00
Language: English
Subfile: A C
Copyright 2000, IEE

...Abstract: into one of these particle classes. For the classification,
PIFSs taken from the database are **decoded** with the unclassified particle
image used its an initial image. **Decoded** images obtained from PIFSs are
then individually **compared** with the new particle **image** . If the
difference calculated between these images is less than a threshold
value, the new particle is assigned...

20/3,K/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6708678 INSPEC Abstract Number: C2000-10-6130B-073

Title: A methodology for comparing direct volume rendering algorithms using a projection-based data level approach

Author(s): Kwansik Kim; Pang, A.

Author Affiliation: Dept. of Comput. Sci., California Univ., Santa Cruz, CA, USA

Conference Title: Data Visualization '99. Proceedings of the Joint EUROGRAPHICS and IEEE TCVG Symposium on Visualization p.87-98

Editor(s): Groller, E.; Loffelmann, H.; Ribarsky, W.

Publisher: Springer-Verlag/Wien, Wien, Austria

Publication Date: 1999 Country of Publication: Austria xii+340 pp.

ISBN: 3 211 83344 7 Material Identity Number: XX-1999-02264

Conference Title: VisSym'99: Joint EUROGRAPHICS-IEEE TCCG Symposium on Visualization

Conference Date: 26-28 May 1999 Conference Location: Vienna, Austria

Language: English

Subfile: C

Copyright 2000, IEE

...Abstract: and their associated parameter settings. We present a new data level comparison methodology that uses **differences** in intermediate rendering information. In particular, we extend the traditional **image level comparison** techniques to include data level **comparison** techniques. In **image level comparisons**, quantized pixel values are the starting point for comparison measurements. In contrast, data level comparison...

...capabilities to compare application dependent details as well as general rendering qualities. One of the **key** challenges with our data level comparison approach is finding a common base for comparing the...

20/3,K/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6651691 INSPEC Abstract Number: B2000-08-6135-315, C2000-08-5260B-414

Title: Matching images with different resolutions

Author(s): Dufournaud, Y.; Schmid, C.; Horaud, R.

Author Affiliation: INRIA, Montbonnot, France

Conference Title: Proceedings IEEE Conference on Computer Vision and Pattern Recognition. CVPR 2000 (Cat. No. PR00662) Part vol.1 p.612-18 vol.1

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 2000 Country of Publication: USA 2 vol.(xxii+846+804) pp.

ISBN: 0 7695 0662 3 Material Identity Number: XX-2000-01560

U.S. Copyright Clearance Center Code: 1063-6919/2000/\$10.00

Conference Title: Proceedings IEEE Conference on Computer Vision and Pattern Recognition. CVPR 2000

Conference Sponsor: IEEE Comput. Soc.; IEEE Comput. Soc. Tech. Committee on Pattern Anal. & Machine Intelligence

Conference Date: 13-15 June 2000 Conference Location: Hilton Head Island, SC, USA

Language: English

Subfile: B C

Copyright 2000, IEE

...Abstract: resolution image is compared with all the scale-space representations of the high-resolution one. **Key** to the success of such a process is the proper representation of the features to be matched in scale-space. We show how to **extract** interest points at variable scales and we devise a method allowing the **comparison** of two **images** at two different resolutions. The method comprises the use of photometric- and rotation-invariant descriptors...

20/3,K/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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6587015 INSPEC Abstract Number: A2000-12-8760I-019, B2000-06-7510N-051, C2000-06-7330-191

Title: TSE-sequences with spin-echo contrast

Author(s): Fautz, H.P.; Buchert, M.; Husstedt, H.; Laubenberger, J.; Hennig, J.

Author Affiliation: Freiburg Univ., Germany

Journal: Magnetic Resonance in Medicine vol.43, no.4 p.577-82

Publisher: Wiley,

Publication Date: April 2000 Country of Publication: USA

CODEN: MRMEEN ISSN: 0740-3194

SICI: 0740-3194(200004)43:4L.577:SWSE;1-3

Material Identity Number: K620-2000-004

U.S. Copyright Clearance Center Code: 0740-3194/2000/\$3.00

Language: English

Subfile: A B C

Copyright 2000, IEE

...Abstract: TSE,FSE...)-sequences which have been modified such that the echo train used for image **encoding** is preceded by a long echo interval in order to introduce the T/sub 2...

... for the detection of hemorrhages in the CNS have been implemented and optimized. The significant **difference** in **image** contrast at identical echo times **compared** to unmodified TSE is demonstrated for different tissues.

...Identifiers: image **encoding** ;

20/3,K/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6503908 INSPEC Abstract Number: B2000-03-6135-355, C2000-03-1260S-087

Title: Local structure in images from entropy production

Author(s): Boccignone, G.; Ferraro, M.; Caelli, T.

Author Affiliation: Dipt. di Ing. dell'Inf. e Ing. Elettrica, Salerno Univ., Italy

Conference Title: Proceedings 1999 International Conference on Image Processing (Cat. 99CH36348) Part vol.1 p.343-7 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 4 vol.(lxxix+676+977+952+449) pp.

ISBN: 0 7803 5467 2 Material Identity Number: XX-1998-03681

U.S. Copyright Clearance Center Code: 0 7803 5467 2/99/\$10.00

Conference Title: Proceedings of 6th International Conference on Image Processing (ICIP'99)

Conference Sponsor: IEEE Signal Process. Soc.; IEICE
Conference Date: 24-28 Oct. 1999 Conference Location: Kobe, Japan
Language: English
Subfile: B C
Copyright 2000, IEE

Abstract: Employing a thermodynamical model applied to scale-space transformations, we derive a method to **encode** different **types** of **image** features, as regions of different information content. Information is locally defined in terms of activity...

... According to the different levels of activity, labelled as high, medium or low, we can **extract** basic parts of the image by collecting points of similar saliency.

20/3,K/10 (Item 10 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6458260 INSPEC Abstract Number: C2000-02-6130B-042
Title: Metrics and generation specifications for comparing volume-rendered images
Author(s): Williams, P.L.; Uselton, S.P.
Author Affiliation: Lawrence Livermore Nat. Lab., CA, USA
Journal: Journal of Visualization and Computer Animation vol.10, no.3
p.159-78
Publisher: Wiley,
Publication Date: July-Sept. 1999 Country of Publication: UK
CODEN: JVCAEO ISSN: 1049-8907
SICI: 1049-8907(199907/09)10:3L:159:MGSC;1-I
Material Identity Number: 0582-1999-003
U.S. Copyright Clearance Center Code: 1049-8907/99/030159-20\$17.50
Language: English
Subfile: C
Copyright 2000, IEE

...Abstract: objectively comparing volume-rendered images, leading to objective evaluation of their accuracy and quality. The **key** elements of the foundation are: (1) a rigorous specification of all the input and parameters...

...two volume-rendered images that will support an analysis of the relative importance of particular **differences**. The results of this method can be used to study the changes caused by modifying particular parameter values, to **compare** and quantify changes between **images** of similar data sets rendered in the same way, and to detect errors in the...

... system, the method can be used to evaluate the accuracy of a given image. The **key** contribution of the paper is the separation of the difference into a noise, bias and...

20/3,K/11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6382035 INSPEC Abstract Number: B1999-11-6135C-107, C1999-11-5260B-409
Title: Texture features for DCT-coded image retrieval and classification
Author(s): Yu-Len Huang; Ruey-Feng Chang
Author Affiliation: Dept. of Comput. Sci. & Inf. Eng., Nat. Chung Cheng

Univ., Chiayi, Taiwan

Conference Title: 1999 IEEE International Conference on Acoustics,
Speech, and Signal Processing. Proceedings. ICASSP99 (Cat. No.99CH36258)
Part vol.6 p.3013-16 vol.6

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 6 vol.
(lxiii+3584) pp.

ISBN: 0 7803 5041 3 Material Identity Number: XX-1999-00749

U.S. Copyright Clearance Center Code: 0 7803 5041 3/99/\$10.00

Conference Title: 1999 IEEE International Conference on Acoustics,
Speech, and Signal Processing. Proceedings. ICASSP99

Conference Sponsor: IEEE; Signal Process. Soc

Conference Date: 15-19 March 1999 Conference Location: Phoenix, AZ,
USA

Language: English

Subfile: B C

Copyright 1999, IEE

...Abstract: The proposed features are directly generated by using the
DCT coefficients from the DCT-coded **image**. **Comparisons** with the
subband-energy features **extracted** from the wavelet transform,
conventional DCT using the Brodatz (1966) texture database indicate that
the...

...Descriptors: **decoding** ;

20/3,K/12 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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6378614 INSPEC Abstract Number: B1999-11-6135E-122, C1999-11-5260B-393

Title: **3D object recognition from static 2D views using multiple coarse
data channels**

Author(s): Toth, L.; Culverhouse, P.F.

Author Affiliation: Center for Intelligent Syst., Plymouth Univ., UK

Journal: Image and Vision Computing vol.17, no.11 p.845-58

Publisher: Elsevier,

Publication Date: Sept. 1999 Country of Publication: Netherlands

CODEN: IVCODK ISSN: 0262-8856

SICI: 0262-8856(199909)17:11L:845:ORFS;1-L

Material Identity Number: F298-1999-010

U.S. Copyright Clearance Center Code: 0262-8856/99/\$20.00

Language: English

Subfile: B C

Copyright 1999, IEE

Abstract: A 3D object recognition system is described that employs novel
multiresolution representation and coarse **encoding** of feature
information. Modifications are brought to classic feature extraction methods
by proposing the use...

... to assess the system's performance when presented with very similar,
non-rigid shapes. For **comparison**, the parameters **extracted** from each
image were fed into two categorisers, discriminant analysis and
multilayer feedforward neural network with backpropagation of...

20/3,K/13 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6246856 INSPEC Abstract Number: B1999-06-2210B-009, C1999-06-7410D-076

Title: Context-sensitive filtering in RLE for PCB inspection

Author(s): Ercal, F.; Bunyak, F.; Feng, H.

Author Affiliation: Dept. of Comput. Sci., Missouri Univ., Rolla, MO, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.3517 p.286-93

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3517L:286:CSFI;1-Z

Material Identity Number: C574-1998-292

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: Intelligent Systems in Design and Manufacturing

Conference Sponsor: SPIE

Conference Date: 2-4 Nov. 1998 Conference Location: Boston, MA, USA

Language: English

Subfile: B C

Copyright 1999, IEE

...Abstract: and test-board images into basic patterns using the CAD data for the artwork, (2) **comparison** of the test-board **image** windows with the corresponding artwork image windows, (3) context-sensitive filtering of the **difference** image obtained in step (2) for the determination of the defects and their locations. For image representation, run-length **encoding** (RLE) is used, and processing is done directly on RLE data. This provides the needed...

...Identifiers: run-length **encoding** ;

20/3,K/14 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

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6223071 INSPEC Abstract Number: B1999-05-6420-019

Title: On key distribution management for conditional access system on pay-TV system

Author(s): Fu-Kuan Tu; Chi-Sung Lai; Hsu-Hung Tung

Author Affiliation: Dept. of Electr. Eng., Nat. Cheng Kung Univ., Tainan, Taiwan

Journal: IEEE Transactions on Consumer Electronics vol.45, no.1 p. 151-8

Publisher: IEEE,

Publication Date: Feb. 1999 Country of Publication: USA

CODEN: ITCEDA ISSN: 0098-3063

SICI: 0098-3063(199902)45:1L:151:DMCA;1-G

Material Identity Number: I273-1999-001

U.S. Copyright Clearance Center Code: 0098-3063/99/\$10.00

Language: English

Subfile: B

Copyright 1999, IEE

...Abstract: the proposed two grouping methods we proposed a simple and a complete scheme with four- **levels** of **key** hierarchy for the **key** distribution management CAS of the **pay** -TV system. We also analyze the performance of the proposed complete scheme. It is shown...

20/3,K/15 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

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6204155 INSPEC Abstract Number: A1999-09-8760-006, B1999-05-7510-019,
C1999-05-7330-087

Title: Adaptive compression of image data

Author(s): Hludov, S.; Schroeter, C.; Meinel, C.

Author Affiliation: Inst. of Telematics, Trier, Germany

Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.3408 p.520-7

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3408L:520:ACID;1-Y

Material Identity Number: C574-1998-260

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: Broadband European Networks and Multimedia Services

Conference Sponsor: SPIE; Eur. Opt. Soc.

Conference Date: 18-20 May 1998 Conference Location: Zurich,
Switzerland

Language: English

Subfile: A B C

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...Abstract: on a valuation of the relative number and absolute values of
the wavelet coefficients. A **comparison** between the original **image** and
the **decoded** image is done by a **difference** criteria calculated by the
wavelet coefficients of the original image and the **decoded** image of the
first and second iteration step of the wavelet transformation. This
adaptive image...

...Descriptors: **decoding** ;

...Identifiers: **decoded** image

20/3,K/16 (Item 16 from file: 2)

DIALOG(R) File 2:INSPEC

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6172469 INSPEC Abstract Number: B1999-04-6135C-009, C1999-04-5260B-030

Title: New early detection method of all-zero coefficients in H.263

Author(s): Zhou Xuan; Tan Jingwei; Yu Songyu

Author Affiliation: Inst. of Image Commun. & Inf. Process., Shanghai
Jiaotong Univ., China

Journal: Journal of Shanghai Jiaotong University vol.32, no.9 p.
107-9

Publisher: Shanghai Jiaotong University Press,

Publication Date: Sept. 1998 Country of Publication: China

CODEN: SCTPDH ISSN: 1006-2467

SICI: 1006-2467(199809)32:9L:107:EDMZ;1-H

Material Identity Number: L567-1998-011

Language: Chinese

Subfile: B C

Copyright 1999, IEE

...Abstract: quantized DCT coefficients are completely zero can be
predetermined. As SAD (sum of minimum absolute **difference**) resulted from
motion estimation are used as criteria, no additional computation is
needed. Using this...

... 263 in real-time. In this method, the threshold can be changed with the
quantitation **level** . With the good criteria, the **decoded image** is not
distorted by incorrect determination.

...Identifiers: sum of minimum absolute **difference** ;

20/3,K/17 (Item 17 from file: 2)
DIALOG(R)File 2:INSPEC
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6133412 INSPEC Abstract Number: A1999-04-4230-022, B1999-02-6135C-064,
C1999-02-5260B-172

Title: Optical image encryption based on XOR operations

Author(s): Jong-Wook Han; Choon-Sik Park; Dae-Hyun Ryu; Eun-Soo Kim

Author Affiliation: Electron. & Telecommun. Res. Inst., Taejeon, South Korea

Journal: Optical Engineering vol.38, no.1 p.47-54

Publisher: SPIE,

Publication Date: Jan. 1999 Country of Publication: USA

CODEN: OPEGAR ISSN: 0091-3286

SICI: 0091-3286(199901)38:1L:47:OIEB;1-J

Material Identity Number: 0036-1999-001

U.S. Copyright Clearance Center Code: 0091-3286/99/\$10.00

Language: English

Subfile: A B C

Copyright 1999, IEE

Title: Optical image encryption based on XOR operations

Abstract: We propose a new optical image **encryption** technique based on exclusive-OR (XOR) operations for a security system that controls the entrance...

...idea is that we convert a gray-level image to eight bit planes for image **encryption**. We use the XOR operation that is commonly used such as the well-known **encryption** method. The input image is **encrypted** by performing optical XOR operations with the **key** bit stream that are generated by digital **encryption** algorithms. The gray level input **image** is converted to eight bit planes, which are represented on a liquid crystal device (LCD). The **key** data represented on different LCDs is reproduced to eight bit planes by a lenslet array. The optical XOR operations between the **key** data and the bit planes are performed by the polarization **encoding** method. The results of XOR operations, which are detected by a CCD camera, are converted to an **encrypted** gray-level **image** and the **image** is used as an input to the binary phase **extraction** joint transform correlator (BPEJTC) for **comparison** with reference **images**. We present some simulation results that verify the proposed method.

Identifiers: optical image **encryption** ; ...

... **encryption** method...

... **key** bit stream...

...digital **encryption** algorithms...

...polarization **encoding** method...

... **encrypted** gray-level **image** ; ...

...binary phase **extraction** joint transform correlator

20/3,K/18 (Item 18 from file: 2)
DIALOG(R)File 2:INSPEC
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6133024 INSPEC Abstract Number: B1999-02-0170L-025, C1999-02-3355-008

Title: Optical design is key to machine-vision systems

Author(s): Kane, J.S.

Journal: Laser Focus World vol.34, no.9 p.141-5

Publisher: PennWell Publishing,

Publication Date: Sept. 1998 Country of Publication: USA

CODEN: LWFOE8 ISSN: 1043-8092

SICI: 1043-8092(199809)34:9L:141:ODMV;1-R

Material Identity Number: M949-1998-012

Language: English

Subfile: B C

Copyright 1999, IEE

Title: Optical design is key to machine-vision systems

...Abstract: any number of image operations; a common one is matching a template. A template is **compared** to the **image** point by point, and any significant **differences** triggers an alarm and the piece is rejected.

20/3,K/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

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6121516 INSPEC Abstract Number: B1999-02-6430-009

Title: Decoder for optical television signal processing

Author(s): Robinson, R.

Journal: Fernseh- und Kino-Technik vol.52, no.8-9 p.496-500

Publisher: Huthig,

Publication Date: Aug.-Sept. 1998 Country of Publication: Germany

CODEN: FNKTAH ISSN: 1430-9947

SICI: 1430-9947(199808/09)52:8/9L:496:DOTS;1-T

Material Identity Number: F033-1998-009

Language: German

Subfile: B

Copyright 1999, IEE

Title: Decoder for optical television signal processing

Abstract: Discusses **decoders** for conversion of composite PAL or NTSC signals into their RGB/luminance/colour **difference** components, where 10-bit resolution is available. The author describes **decoders** from the Vistek and VIDI companies. The use of various comb filters is **compared**, and colour **images** are reproduced. Multi-function **decoders** are described.

...Descriptors: **decoding** ;

...Identifiers: multi-function **decoders** ;

20/3,K/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6095930 INSPEC Abstract Number: B9901-6120D-006, C9901-1260C-006

Title: The security of public key cryptosystems based on integer factorization

Author(s): Muller, S.; Muller, W.B.

Author Affiliation: Inst. fur Math., Klagenfurt Univ., Austria

Conference Title: Information Security and Privacy. Third Australasian Conference, ACISP'98. Proceedings p.9-23

Editor(s): Boyd, C.; Dawsons, E.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1998 Country of Publication: Germany xi+422 pp.
ISBN: 3 540 64732 5 Material Identity Number: XX98-01842
Conference Title: Information Security and Privacy. Third Australasian
Conference, ACISP '98 Proceedings
Conference Date: 13-15 July 1998 Conference Location: Brisbane, Qld.,
Australia
Language: English
Subfile: B C
Copyright 1998, IEE

...Abstract: a survey of the state of art in public-key cryptography.
Thereby special attention is **payed** to the different realizations of RSA-
type cryptosystems. Though ElGamal- **type cryptosystems** on elliptic
curves are of great interest in light of recent advances, the original RSA
...

20/3,K/21 (Item 21 from file: 2)
DIALOG(R)File 2:INSPEC
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6080376 INSPEC Abstract Number: B9812-6120B-098, C9812-6130S-076
**Title: Introduction to steganography and derivation of a new stego
paradigm**
Author(s): Franz, E.; Pfitzmann, A.
Author Affiliation: Inst. fur Theor. Inf., Tech. Univ. Dresden, Germany
Journal: Informatik Spektrum vol.21, no.4 p.183-93
Publisher: Springer-Verlag,
Publication Date: Aug. 1998 Country of Publication: Germany
CODEN: INSKDW ISSN: 0170-6012
SICI: 0170-6012(199808)21:4L:183:ISDS;1-O
Material Identity Number: J713-98005
Language: German
Subfile: B C
Copyright 1998, IEE

...Abstract: the information representation. Scanning has been chosen as
an example for such a process. The **differences** between image files
resulting from repeated scanning are **compared** with **differences** between
image files caused by stegoprograms. The **comparisons** show that scanning
causes greater **differences** than stegoprograms. However, the
characteristic of the **differences** is not the same. A new stegoparadigm is
derived from these empirically gained results.

Descriptors: **cryptography**

20/3,K/22 (Item 22 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6020887 INSPEC Abstract Number: B9810-1265F-065, C9810-5260B-315
Title: A motion-estimation architecture based on band-matching
Author(s): Yazji, S.; Lumetta, B.; Bayoumi, M.A.; Zavidovique, B.
Author Affiliation: Center for Adv. Comput. Studies, Univ. of
Southwestern Louisiana, Lafayette, LA, USA
Conference Title: Conference Record of the Thirty-First Asilomar
Conference on Signals, Systems and Computers (Cat. No.97CB36136) Part
vol.1 p.421-5 vol.1
Editor(s): Fargues, M.P.; Hippenstiel, R.D.
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1998 Country of Publication: USA 2 vol. xxiii+1749 pp.

ISBN: 0 8186 8316 3 Material Identity Number: XX98-01297

U.S. Copyright Clearance Center Code: 1058-6393/98/\$10.00

Conference Title: Conference Record of the Thirty-First Asilomar Conference on Signals, Systems and Computers (Cat. No.97CB36163)

Conference Sponsor: Naval Postgraduate School, Monterey; San Jose State Univ.; IEEE Signal Process. Soc

Conference Date: 2-5 Nov. 1997 Conference Location: Pacific Grove, CA, USA

Language: English

Subfile: B C

Copyright 1998, IEE

...Abstract: main modules of the BDMA architecture are the encoder and decoder. The memory in the **encoder** is classified into three **types** : storing **images** , storing the **image** of **difference** , storing the bands. The first memory is arranged in parallel banks which will enhance the...

...Identifiers: image **difference** storage...

20/3,K/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5888942 INSPEC Abstract Number: B9805-6140C-625

Title: DCT-based watermark recovering without resorting to the uncorrupted original image

Author(s): Piva, A.; Barni, M.; Bartolini, F.; Cappellini, V.

Author Affiliation: Dipt. di Ingegneria Elettronica, Univ. di Firenze, Italy

Conference Title: Proceedings. International Conference on Image Processing (Cat. No.97CB36144) Part vol.1 p.520-3 vol.1

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA 3 vol. (lii+951+892+748) pp.

ISBN: 0 8186 8183 7 Material Identity Number: XX97-00465

U.S. Copyright Clearance Center Code: 0 8186 8183 7/97/\$10.00

Conference Title: Proceedings of International Conference on Image Processing

Conference Sponsor: IEEE Signal Process. Soc

Conference Date: 26-29 Oct. 1997 Conference Location: Santa Barbara, CA, USA

Language: English

Subfile: B

Copyright 1998, IEE

...Abstract: masking characteristics of the human visual system, to ensure watermark invisibility. The embedded sequence is **extracted** without resorting to the original image, so that the proposed technique represents a major improvement to methods relying on the **comparison** between the watermarked and original **images** . Experimental results demonstrate that the watermark is robust to most of the signal processing techniques...

...Descriptors: **cryptography** ;

20/3,K/24 (Item 24 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5840889 INSPEC Abstract Number: B9804-6140C-099

Title: Detection and correction of transmission errors in pyramid images
Author(s): Li-Jae Wang; Jin-Jang Leou
Author Affiliation: Dept. of Inf. Manage., Transworld Junior Coll. of Commerce, Yunlin, Taiwan
Journal: IEEE Transactions on Circuits and Systems for Video Technology vol.8, no.1 p.25-30
Publisher: IEEE,
Publication Date: Feb. 1998 **Country of Publication:** USA
CODEN: ITCTEM **ISSN:** 1051-8215
SICI: 1051-8215(199802)8:1L.25:DCTE;1-L
Material Identity Number: 0647-98001
U.S. Copyright Clearance Center Code: 1051-8215/98/\$10.00
Language: English
Subfile: B
Copyright 1998, IEE

...Abstract: significant degradation. Two types of variable-length codes with the synchronization capability are proposed to **encode** two **types** of pyramid **images**, namely, the **difference** pyramid and the reduced-**difference** pyramid, to overcome the synchronization problem. The proposed approaches detect transmission errors by examining error...

...Identifiers: **difference** pyramid...

...reduced- **difference** pyramid

20/3,K/25 (Item 25 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5787220 INSPEC Abstract Number: B9802-6140C-099, C9802-5260B-062

Title: Effects of SAR image compression on image interpretability and detection performance

Author(s): See, J.E.; Kuperman, G.G.
Author Affiliation: Logicon Tech. Services Inc., Dayton, OH, USA
Conference Title: Proceedings of the Human Factors and Ergonomics Society 41st Annual Meeting 1997 Part vol.2 p.1308-12 vol.2
Publisher: Human Factors & Ergonomics Soc, Santa Monica, CA, USA
Publication Date: 1997 **Country of Publication:** USA 2 vol. xxvi+1445 pp.

ISBN: 0 945289 07 3 **Material Identity Number:** XX97-03006
U.S. Copyright Clearance Center Code: 1071-1813/97/\$1.00+.60
Conference Title: Proceedings of 41st Meeting of the Human Factors and Ergonomics Society
Conference Date: 1997 **Conference Location:** Albuquerque, NM, USA
Language: English
Subfile: B C
Copyright 1997, IEE

...Abstract: of three image compression techniques on the interpretability of synthetic aperture radar (SAR) imagery: multiresolution **encoding** (MRES), joint photographic experts group (JPEG), and vector quantization(VQ). These three techniques were examined...

... indicators of target detection performance (i.e., hits and false alarms). For each dependent variable, **difference** scores representing the **difference** in value for **comparable** uncompressed and compressed **images** were computed and analyzed. In terms of both subjective and objective measures of effectiveness, MRES...

...Identifiers: multiresolution **encoding** ;

20/3,K/26 (Item 26 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5746096 INSPEC Abstract Number: C9712-7120-033

Title: Anonymity control in e-cash systems

Author(s): Davida, G.; Frankel, Y.; Tsionnis, Y.; Yung, M.

Author Affiliation: Wisconsin Univ., Milwaukee, WI, USA

Conference Title: Financial Cryptography First International Conference, FC '97. Proceedings p.1-16

Editor(s): Hirschfeld, R.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1997 Country of Publication: Germany xi+407 pp.

ISBN: 3 540 63594 7 Material Identity Number: XX97-02547

Conference Title: Financial Cryptography First International Conference, FC'97. Proceedings

Conference Date: 24-28 Feb. 1997 Conference Location: Anguilla

Language: English

Subfile: C

Copyright 1997, IEE

Abstract: Electronic cash, and other **cryptographic payment** systems, offer a **level** of user anonymity during a purchase, in order to emulate electronically the properties of physical...

20/3,K/27 (Item 27 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5738945 INSPEC Abstract Number: B9712-6140C-277, C9712-5260B-198

Title: Local search fractal image compression for fast integrated implementation

Author(s): Thao, N.T.

Author Affiliation: Dept. of Electr. & Electron. Eng., Hong Kong Univ. of Sci. & Technol., Hong Kong

Conference Title: Proceedings of 1997 IEEE International Symposium on Circuits and Systems. Circuits and Systems in the Information Age. ISCAS '97 (Cat. No.97CH35987) Part vol.2 p.1333-6 vol.2

Publisher: IEEE, New York, NY, USA

Publication Date: 1997 Country of Publication: USA 4 vol. lxvi+2832 pp.

ISBN: 0 7803 3583 X Material Identity Number: XX97-01988

U.S. Copyright Clearance Center Code: 0 7803 3583 X/97/\$10.00

Conference Title: Proceedings of 1997 IEEE International Symposium on Circuits and Systems. Circuits and Systems in the Information Age ISCAS '97

Conference Date: 9-12 June 1997 Conference Location: Hong Kong

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: of forcing the fractal coder to take care of all types of feature in the **image**, we limit itself to **encoding** the features of the **type** mentioned above. We give the role of capturing the missing detailed features to a DCT...

...Descriptors: feature **extraction** ;

20/3,K/28 (Item 28 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5718725 INSPEC Abstract Number: B9711-6140C-548, C9711-5260B-380

Title: Thin nets and crest lines: application to satellite data and medical images

Author(s): Monga, O.; Armande, N.; Montesinos, P.

Author Affiliation: Inst. Nat. de Recherche en Inf. et Autom., Le Chesnay, France

Journal: Computer Vision and Image Understanding vol.67, no.3 p. 285-95

Publisher: Academic Press,

Publication Date: Sept. 1997 Country of Publication: USA

CODEN: CVIUF4 ISSN: 1077-3142

SICI: 1077-3142(199709)67:3L:285:TNCL;1-Y

Material Identity Number: D165-97009

U.S. Copyright Clearance Center Code: 1077-3142/97/\$25.00

Language: English

Subfile: B C

Copyright 1997, IEE

Abstract: In this paper, we describe a new approach for **extracting** thin nets in gray- **level images** . The **key** point of our approach is to model thin nets as crest lines of the image...

... filter and its derivatives. Using an adaptive scale factor, we apply this approach to the **extraction** of roads in satellite data, blood vessels in medical images, and actual crest lines in...

...Descriptors: feature **extraction**

20/3,K/29 (Item 29 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5665247 INSPEC Abstract Number: B9709-6140C-706, C9709-5260B-341

Title: Visual deconstruction: Recognizing articulated objects

Author(s): Liu, T.-L.; Geiger, D.

Author Affiliation: Courant Inst. of Math. Sci., New York Univ., NY, USA

Conference Title: Energy Minimization Methods in Computer Vision and Pattern Recognition. International Workshop EMMCVPR '97. Proceedings p. 295-309

Editor(s): Pelillo, M.; Hancock, E.R.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1997 Country of Publication: Germany xii+548 pp.

ISBN: 3 540 62909 2 Material Identity Number: XX97-01008

Conference Title: Proceedings of International Workshop on Energy Minimization Methods in Computer Vision and Pattern Recognition

Conference Date: 21-23 May 1997 Conference Location: Venice, Italy

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: decomposes the problem of finding an object in an image, into the one of (i) **extracting key** features in an image, (ii) detecting **key** points in the models, (iii) segmenting an **image** , and (iv) **comparing** shapes. All of these subproblems can not be resolved independently. Together, they reconstruct the object...

...Identifiers: **key** features

20/3,K/30 (Item 30 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5545526 INSPEC Abstract Number: B9705-7950-010, C9705-7150-028

Title: The impact of lossy image compression on automatic target recognition performance

Author(s): Shin, F.B.; Kil, D.H.; Dobeck, G.J.

Author Affiliation: Dept. of Adv. Concepts & Dev., Lockheed Martin-Arizona, Litchfield Park, AZ, USA

Conference Title: 'Prospects for the 21st Century' Conference Proceedings. OCEANS 96 MTS/IEEE (Cat. No.96CH35967) Part vol.2 p. 943-8 vol.2

Publisher: IEEE, New York, NY, USA

Publication Date: 1996 Country of Publication: USA 4 vol. (1564+vii+145) pp.

ISBN: 0 7803 3519 8 Material Identity Number: XX96-03528

U.S. Copyright Clearance Center Code: 0 7803 3519 8/96/\$5.00

Conference Title: OCEANS 96 MTS/IEEE Conference Proceedings. The Coastal Ocean - Prospects for the 21st Century

Conference Sponsor: Marine Technol. Soc.; OES; IEEE

Conference Date: 23-26 Sept. 1996 Conference Location: Fort Lauderdale, FL, USA

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: principal component analysis, and vector quantization (VQ). We quantify the performance of image coding by **extracting key** parameters or features from the original and reconstructed **images** and by **comparing** the ATR performances using separate test sets that contain both mines and mine-like clutter...

20/3,K/31 (Item 31 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5462117 INSPEC Abstract Number: B9702-6210L-059, C9702-5620L-025

Title: ATM micro LAN services

Author(s): Saito, K.; Yoguchi, K.; Onozawa, A.; Anai, K.

Author Affiliation: NTT Multimedia Network Labs., Japan

Journal: NTT R & D vol.45, no.10 p.971-8

Publisher: NTT,

Publication Date: 1996 Country of Publication: Japan

CODEN: NTTDEC ISSN: 0915-2326

SICI: 0915-2326(1996)45:10L.971:MS;1-2

Material Identity Number: N541-96012

Language: Japanese

Subfile: B C

Copyright 1997, IEE

Abstract: ATM micro LAN is a **key** technology for terminal-adaptor- **type** -services in multimedia networks, which particularly **pays** attention to the integration of information processing and telecommunication. It is important for the end...

20/3,K/32 (Item 32 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5436474 INSPEC Abstract Number: B9701-6140C-213, C9701-5260B-117

Title: Model-based object recognition using range images by combining morphological feature extraction and geometric hashing

Author(s): Chu-Song Chen; Yi-Ping Hung; Ja-Ling Wu

Author Affiliation: Inst. of Inf. Sci., Acad. Sinica, Taipei, Taiwan

Conference Title: Proceedings of the 13th International Conference on Pattern Recognition Part vol.1 p.565-9 vol.1

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1996 Country of Publication: USA 4 vol.
(xxxi+976+xxix+922+xxxi+1008+xxix+788) pp.

ISBN: 0 8186 7282 X Material Identity Number: XX96-02026

U.S. Copyright Clearance Center Code: 1015-4851/96/\$5.00

Conference Title: Proceedings of 13th International Conference on Pattern Recognition

Conference Sponsor: Int. Assoc. Pattern Recognition

Conference Date: 25-29 Aug. 1996 Conference Location: Vienna, Austria

Language: English

Subfile: B C

Copyright 1996, IEE

Title: Model-based object recognition using range images by combining morphological feature extraction and geometric hashing

Abstract: This paper proposes a new approach for model-based object recognition with range **images** by combining morphological feature **extraction** and geometric **hashing**. In low-level processing, range **images** are segmented into 3D-connected surface patches. In middle-level processing: each connected component is processed by using morphological operations to **extract** the skeletons of high-variation regions. These skeleton points can be viewed as invariant salient...

...Descriptors: feature **extraction** ;

...Identifiers: morphological feature **extraction** ;

20/3,K/33 (Item 33 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5359436 INSPEC Abstract Number: A9619-8760I-012, B9610-7510B-119, C9610-7330-144

Title: Differentiation applied to lossless compression of medical images

Author(s): Nijim, Y.W.; Stearns, S.D.; Mikhael, W.B.

Author Affiliation: Vela Res., St. Petersburg, FL., USA

Journal: IEEE Transactions on Medical Imaging vol.15, no.4 p.555-9

Publisher: IEEE,

Publication Date: Aug. 1996 Country of Publication: USA

CODEN: ITMID4 ISSN: 0278-0062

SICI: 0278-0062(199608)15:4L:555:DALC;1-F

Material Identity Number: C904-96004

U.S. Copyright Clearance Center Code: 0278-0062/96/\$05.00

Language: English

Subfile: A B C

Copyright 1996, IEE

...Abstract: images using a proposed differentiation technique is explored. This scheme is based on computing weighted **differences** between neighboring pixel values. The performance of the proposed approach, for the lossless compression of magnetic resonance (MR) images and ultrasonic **images**, is evaluated and **compared** with the lossless linear predictor

and the lossless Joint Photographic Experts Group (JPEG) standard. The...

...over the linear predictor are: 1) the coefficients of the differentiator are known by the **encoder** and the **decoder**, which eliminates the need to compute or **encode** these coefficients, and 2) the computational complexity is greatly reduced. These advantages are particularly attractive...

20/3,K/34 (Item 34 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5280110 INSPEC Abstract Number: B9607-6140C-240, C9607-1250-130

Title: Nonlinear filters in joint source channel coding of images

Author(s): Khayrallah, A.S.

Author Affiliation: Dept. of Electr. Eng., Delaware Univ., Newark, DE, USA

Conference Title: Proceedings 1995 IEEE International Symposium on Information Theory (Cat. No.95CH35738) p.363

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA xxii+506 pp.

ISBN: 0 7803 2453 6 Material Identity Number: XX94-02584

Conference Title: Proceedings of 1995 IEEE International Symposium on Information Theory

Conference Sponsor: Inf. Theory Soc. IEEE

Conference Date: 17-22 Sept. 1995 Conference Location: Whistler, BC, Canada

Language: English

Subfile: B C

Copyright 1996, IEE

...Abstract: modulation (DPCM) scheme whose prediction filter is the L1 filter. We also present an ECC **decoder** which takes advantage of information to selectively filter reconstructed prediction **difference** sequence, using the weighted median filter. We apply our schemes to some test **images**, and we **compare** their performance to the appropriate baseline schemes. Our techniques exhibit a lot of resilience to...

...Descriptors: **decoding** ;

...Identifiers: ECC **decoder** ;

20/3,K/35 (Item 35 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5174313 INSPEC Abstract Number: A9605-8738-004

Title: Composition of biosonar images for target recognition by echolocating bats

Author(s): Simmons, J.A.; Saillant, P.A.; Wotton, J.M.; Haresign, T.; Ferragamo, M.J.; Moss, C.F.

Author Affiliation: Dept. of Neurosci., Brown Univ., Providence, RI, USA

Journal: Neural Networks vol.8, no.7-8 p.1239-61

Publisher: Elsevier,

Publication Date: 1995 Country of Publication: USA

CODEN: NNETEB ISSN: 0893-6080

SICI: 0893-6080(1995)8:7/8L:1239:CBIT;1-U

Material Identity Number: L963-96001

U.S. Copyright Clearance Center Code: 0893-6080/95/\$9.50+.00

Language: English

Subfile: A

Copyright 1996, IEE

...Abstract: with each other within the 350- μ s integration time. The bat's auditory system **encodes** the FM sweeps of transmissions and echoes as half-wave-rectified, magnitude-unsquared spectrograms, and...
...reverberations common to the emission and echoes thus cancel out, leaving only narrow elevation-dependent **differences**, which in fact appear in the bat's images. The SCAT algorithms successfully recreate **images comparable** to those perceived by the bat and provide for classification of targets from their glint...

20/3,K/36 (Item 36 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5067367 INSPEC Abstract Number: B9511-6140C-123, C9511-5260B-092

Title: Bayesian removal of coding block artifacts in the harmonic angular filters features domain

Author(s): Jacovitti, G.; Neri, A.

Author Affiliation: INFOCOM Dept., Rome Univ., Italy

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.2424 p.139-50

Publication Date: 1995 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

U.S. Copyright Clearance Center Code: 0 8194 1771 8/95/\$6.00

Conference Title: Nonlinear Image Processing VI

Conference Sponsor: SPIE; Soc. Image Sci. & Technol

Conference Date: 6-9 Feb. 1995 Conference Location: San Jose, CA, USA

Language: English

Subfile: B C

Copyright 1995, IEE

...Abstract: Bayesian estimator. Computational aspects are addressed and performances are illustrated through classical examples for different **levels** of blocking artifacts on JPEG **decoded images**.

...Descriptors: feature **extraction** ;

20/3,K/37 (Item 37 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4963533 INSPEC Abstract Number: B9507-6140C-301, C9507-1250-211

Title: Comparison of generalized Gaussian and Laplacian modeling in DCT image coding

Author(s): Joshi, R.L.; Fischer, T.R.

Author Affiliation: Sch. of Electr. & Comput. Eng., Washington State Univ., Pullman, WA, USA

Journal: IEEE Signal Processing Letters vol.2, no.5 p.81-2

Publication Date: May 1995 Country of Publication: USA

CODEN: IESPEJ ISSN: 1070-9908

U.S. Copyright Clearance Center Code: 1070-9908/95/\$04.00

Language: English

Subfile: B C

Copyright 1995, IEE

Abstract: Generalized Gaussian and Laplacian source models are **compared** in discrete cosine transform (DCT) **image coding**. A **difference** in peak

signal to noise ratio (PSNR) of at most 0.5 dB is observed for **encoding** different **images** . We also **compare** maximum likelihood estimation of the generalized Gaussian density parameters with a simpler method proposed by ...

20/3,K/38 (Item 38 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4801189 INSPEC Abstract Number: C9412-3390-026

Title: Memory-based navigation

Author(s): Crespi, B.; Furlanello, C.; Stringa, L.

Author Affiliation: Istituto per la Ricerca Sci. e Tecnologica, Trento, Italy

Part vol.2 p.1654-8 vol.2

Editor(s): Bajcsy, R.

Publisher: Morgan Kaufmann Publishers, San Mateo, CA, USA

Publication Date: 1993 Country of Publication: USA 2 vol. (xxviii+xiv+1708) pp.

Conference Title: Proceedings of International Joint Conference on Artificial Intelligence

Conference Sponsor: Int. Joint Conferences on Artificial Intelligence; Assoc. Francaise pour l'Intelligence Artificielle; Alcatel/Alsthom; et al

Conference Date: 28 Aug.-3 Sept. 1993 Conference Location: Chambéry, France

Language: English

Subfile: C

...Abstract: autonomously along the corridors of our Institute. The robot learns to estimate its position by **comparing** the visual input with **images** contained in its memory. The system memory is formed during a learning phase by **encoding** a set of labeled images. **Encoding** is based on the **extraction** of local directional fields. During learning, the robot explores limited areas of the environment During...

... not only where learning was done, but also in unknown corridors with different illumination conditions. **Key** aspects of this approach are a flexible representation of information and independence from an explicit...

20/3,K/39 (Item 39 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4527964 INSPEC Abstract Number: B9401-6210M-004

Title: Adaptive quadtree coding of motion-compensated image sequences for use on the broadband ISDN

Author(s): Zhang, X.; Cavenor, M.C.; Arnold, J.F.

Author Affiliation: Dept. of Electr. Eng., New South Wales Univ., Campbell, ACT, Australia

Journal: IEEE Transactions on Circuits and Systems for Video Technology vol.3, no.3 p.222-9

Publication Date: June 1993 Country of Publication: USA

CODEN: ITCTEM ISSN: 1051-8215

U.S. Copyright Clearance Center Code: 1051-8215/93/\$03.00

Language: English

Subfile: B

...Abstract: technique is described in which an adaptive quadtree scheme

is used to encode motion-compensated **difference images** . A mechanism is determined within the **encoding** process that allows a predetermined **level** of **image** quality to be selected by the user at call setup time and then maintained by...

...Identifiers: **difference images**

20/3,K/40 (Item 40 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04275638 INSPEC Abstract Number: B9212-6430C-020

Title: High-speed video compression for HDTV and multi-media image storage

Author(s): Holtz, K.

Author Affiliation: Omni Dimensional Networks, San Francisco, CA, USA

Conference Title: Northcon Conference Record p.177-82

Publisher: Electron. Conventions Manage, Los Angeles, CA, USA

Publication Date: 1991 Country of Publication: USA viii+434 pp.

Conference Sponsor: IEEE; ERA; Electron. Manuf. Assoc

Conference Date: 1-3 Oct. 1991 Conference Location: Portland, OR, USA

Language: English

Subfile: B

...Abstract: information' from the images for storage or transmission, resulting in enormous data compression and optional **encryption** for security. True information in television images is not dependent on screen size, resolution or...

... any size of image fragment, from single pixel to entire screen images. True information is **extracted** from the television **images** by **comparing** the **image** , like a jigsaw puzzle, with previously learned images, a process that is practical only with...

Descriptors: **cryptography** ;

...Identifiers: optional **encryption** ;

20/3,K/41 (Item 41 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04019940 INSPEC Abstract Number: B91078577, C91067501

Title: A quantizer reconstruction level control method for block artifact reduction in DCT image coding

Author(s): Jong Hoon Kim; Chan Sik Hwang; Young Serk Shim

Author Affiliation: Dept. of Electr. Eng., Tech. Yonam Junior Coll., Seoul, South Korea

Journal: Journal of the Korean Institute of Telematics and Electronics
vol.28B, no.5 p.1-9

Publication Date: May 1991 Country of Publication: South Korea

CODEN: CKNOEZ ISSN: 1016-135X

Language: Korean

Subfile: B C

...Abstract: signal to noise ratio is degraded by a small amount, the mean square of error **difference** at the block boundary and mean square error having relation block artifact is greatly reduced. Subjective **image** qualities are improved **compared** with other block artifact reduction methods such as postprocessing by filtering and transform coding by...

...Descriptors: **decoding** ; ...

... encoding ;

20/3,K/42 (Item 42 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03876042 INSPEC Abstract Number: A91058864

Title: Adjustable center of gravity lift fixture system design and operational features

Author(s): Britts, R.P.

Author Affiliation: Nucl. Packaging Inc., Federal Way, WA, USA

Conference Title: Waste Management '90: 'Working Towards a Cleaner Environment'. Waste Processing, Transportation, Storage and Disposal, Technical Programs and Public Education. Proceedings of the Symposium p. 493-7 vol.1

Editor(s): Post, R.G.

Publisher: Univ. Arizona, Tucson, AZ, USA

Publication Date: 1990 Country of Publication: USA 2 vol. (xv+813+xv+988) pp.

Conference Sponsor: ANS; ASME; DOE; Univ. Arizona

Conference Date: 25 Feb.-1 March 1990 Conference Location: Tucson, AZ, USA

Language: English

Subfile: A

...Abstract: shipping and receiving sites. The system balance weights are remotely positioned with the aid of **level** indicators and **encoders** such that the combination of **payload** assembly and lift fixture becomes balanced (plumb) as a unit to provide vertical alignment within...

20/3,K/43 (Item 43 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03784380 INSPEC Abstract Number: A91005795, B91006055, C91005763

Title: System for automatic realignment of the head in magnetic resonance imaging

Author(s): Marshall, S.; Saeed, N.; Young, H.; Durrani, T.S.; Dalton, B.; Duboulay, G.

Author Affiliation: Dept. of Electron. & Electr. Eng., Strathclyde Univ., Glasgow, UK

Journal: IEE Proceedings F (Radar and Signal Processing) vol.137, no.5 p.319-30

Publication Date: Oct. 1990 Country of Publication: UK

CODEN: IPFPEV ISSN: 0956-375X

U.S. Copyright Clearance Center Code: 0956-375X/90/\$3.00+0.00

Language: English

Subfile: A B C

...Abstract: patient realignment using a combination of image analysis techniques and symbolic reasoning. A set of **key** anatomical features are **extracted** from the **images** and these are **compared** using a knowledge-based expert system to measure and then correct the positional inaccuracies. The...

20/3,K/44 (Item 44 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03607781 INSPEC Abstract Number: A90064367, C90029647

Title: Image analysis for automatic patient realignment in MRI

Author(s): Marshall, S.; Saeed, N.; Durrani, T.S.

Author Affiliation: Dept. of Electron. & Electr. Eng., Strathclyde Univ., Glasgow, UK

Journal: Journal of Photographic Science vol.37, no.3-4 p.123-6

Publication Date: 1989 Country of Publication: UK

CODEN: JPTSAF ISSN: 0022-3638

Conference Title: Symposium of the Imaging Science and Technology Group of the Royal Photographic Society. Recent Developments in Medical Imaging

Conference Date: 12-16 Sept. 1988 Conference Location: Bath, UK

Language: English

Subfile: A C

...Abstract: patient realignment using a combination of image analysis techniques and symbolic reasoning. A set of **key** anatomical features are **extracted** from the **images** and these are **compared** using a knowledge based expert system to measure and then correct the positional inaccuracies. An...

...Identifiers: **key** anatomical features

20/3,K/45 (Item 45 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03430761 INSPEC Abstract Number: B89056733, C89045919

Title: A new efficient hybrid coding for progressive transmission of images

Author(s): Akansu, A.N.; Haddad, R.A.

Author Affiliation: Dept. of Electr. Eng., New Jersey Inst. of Technol., Newark, NJ, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1001, pt.1 p.200-6

Publication Date: 1988 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

Conference Title: Visual Communications and Image Processing '88

Conference Sponsor: SPIE

Conference Date: 9-11 Nov. 1988 Conference Location: Cambridge, MA, USA

Language: English

Subfile: B C

...Abstract: display. This initial pass provides a crude but recognizable image before any further processing or **encoding**. Upon request from the receiver, the technique then switches to an iterative transform differential **encoding** scheme. Each iteration progressively provides more image detail at the receiver as requested. Secondly, this...

... technique uses a computationally efficient, real, orthogonal transform, called the modified hermite transform (MHT), to **encode** the **difference image**. This MHT is then **compared** with the discrete cosine transform (DCT) for the same hybrid algorithm.

Descriptors: **encoding** ;

...Identifiers: **encoding** ;

20/3,K/46 (Item 46 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03219803 INSPEC Abstract Number: B88059335, C88054037

Title: Automatic feature extraction for the transmission of American sign language over telephone lines

Author(s): Boubekker, M.

Author Affiliation: Tufts Univ., New England Med. Center, Boston, MA, USA

Conference Title: RESNA '87: Meeting the Challenge. Proceedings of the 10th Annual Conference on Rehabilitation Technology p.434-6

Editor(s): Steele, R.D.; Gerrey, W.

Publisher: RESNA - Assoc. Adv. Rehabilitation Technol, Washington, DC, USA

Publication Date: 1987 Country of Publication: USA xii+894 pp.

Conference Date: 19-23 June 1987 Conference Location: San Jose, CA, USA

Language: English

Subfile: B C

Title: Automatic feature extraction for the transmission of American sign language over telephone lines

...Abstract: a video quality image. This paper describes compression techniques and coding algorithms that generate and **encode** two- level cartoons from gray- level images for the transmission of American sign language at very low data rates. Spatial compression reduces...

... preserving the quality of the picture and the intelligibility of the sign. The edges are **extracted** and the image is thresholded to eliminate the unnecessary information, like clothing, texture of the...

... minimal cross-sectional width by applying an image thinning algorithm. An image tracking or contour **extraction** technique is developed to decompose the image into a finite number of subsets containing complete...

... and size of the image. A contour coding algorithm and a method based on feature **extraction** and interpolation techniques are applied to these **extracted** subsets and the results are discussed.

Identifiers: automatic feature **extraction** ; ...

...edge **extraction** visual image transmission...

...contour **extraction** ;

20/3,K/47 (Item 47 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03117673 INSPEC Abstract Number: B88027815, C88022056

Title: A new image coding method using compensation of inter-pixel differences

Author(s): Jung, H.-M.; Lee, C.-W.

Author Affiliation: Seoul Nat. Univ., South Korea

Conference Title: Proceedings of TENCON 87: 1987 IEEE Region 10 Conference 'Computers and Communications Technology Toward 2000' (Cat. No.87CH2423-2) p.428-32 vol.2

Publisher: IEEE, New York, NY, USA

Publication Date: 1987 Country of Publication: USA 3 vol. 1380 pp.

U.S. Copyright Clearance Center Code: CH2423-2/87/0000-0428\$01.00

Conference Sponsor: IEEE; Korea Inst. Electron. Eng.; Minist. Commun.; et

al

Conference Date: 25-28 Aug. 1987 Conference Location: Seoul, South Korea

Language: English

Subfile: B C

...Abstract: which inter-pixel differences are obtained in an image subblock that is compensated for the **differences** along the direction of the luminance slope. Techniques to improve the reconstructed image quality have been developed. The subjective quality of the reconstructed **image** is **comparable** to that of the original **image** .

...Descriptors: **encoding** ;

20/3,K/48 (Item 48 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01105738 INSPEC Abstract Number: B77037979

Title: Some results in the theory and application of multiplex imaging

Author(s): Olson, R.R.

Author Affiliation: Aerospace Systems Div., Bendix Corp, Mishawaka, IN, USA

Conference Title: Proceedings of the IEEE 1976 National Aerospace and Electronics Conference p.661

Publisher: IEEE, New York, NY, USA

Publication Date: 1976 Country of Publication: USA xxii+1000 pp.

Conference Sponsor: IEEE; AIAA; et al

Conference Date: 18-20 May 1976 Conference Location: Dayton, OH, USA

Language: English

Subfile: B

...Abstract: approach to electrooptical imaging is presented and analyzed. The scanner designed and fabricated utilizes analog **encoding** of simultaneous scene data by means of rotating reticle representations of Hadamard-derived codes. Such multiplex **encoding** provides more efficient use of incident scene energy and yields improved signal to noise ratio...

... general continuous scenes are derived and compared for continuous and discrete mask motion. Similarities and **differences** of the multiplex **imager** **compared** to other reticle scanning systems are presented and discussed.

...Descriptors: **encoding** ;

...Identifiers: analogue **encoding** ;

20/3,K/49 (Item 49 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01105535 INSPEC Abstract Number: B77037746

Title: A change detection and classification system for side-look radar images

Author(s): Truitt, T.P.; Bissell, D.T.; Tisdale, G.E.

Author Affiliation: Westinghouse Defense & Electronic Systems Center, Baltimore, MD, USA

Conference Title: Proceedings of the IEEE 1976 National Aerospace and Electronics Conference p.533-8

Publisher: IEEE, New York, NY, USA

Publication Date: 1976 Country of Publication: USA xxii+1000 pp.

Conference Sponsor: IEEE; AIAA; et al
Conference Date: 18-20 May 1976 Conference Location: Dayton, OH, USA
Language: English
Subfile: B

...Abstract: are used directly on the mission and reference images to isolate individual objects. Then, a **comparison** is made between **images** on an object-by-object basis. Second, the digital processing techniques employ a special-purpose preprocessor that **extracts key** image features and reduces the image bandwidth by up to 100:1 over 6-bit gray levels. The **key** features are used for both registration and target classification.

20/3,K/50 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01803600 ORDER NO: AADAA-I9941159
CHARGE TRANSFER AND TRAPPING DURING LOW AND HYPERTHERMAL ENERGY OXYGEN ION SCATTERING

Author: LAVERY, ANDONE CLAIRE
Degree: PH.D.
Year: 1999
Corporate Source/Institution: CORNELL UNIVERSITY (0058)
Source: VOLUME 60/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4023. 217 PAGES

...a sum of Hartree-Fock [O-Cu]⁻ pair potentials and an attractive **image** potential. These results have been **compared** to those obtained previously for Na⁺ incident on Cu(001). It has been established that **differences** in energy transfer due to the dissimilar Na and O masses are not sufficient to...

...electronic states of the O-Cu system, resonant charge transfer is identified as playing a **key** role in the formation of scattered O⁻ ions and neutral O atoms...

20/3,K/51 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01737936 ORDER NO: AADAA-I9965898
Multiframe restoration methods for image synthesis and recovery

Author: Green, Joseph Jacob
Degree: Ph.D.
Year: 2000
Corporate Source/Institution: The University of Arizona (0009)
Source: VOLUME 61/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1472. 114 PAGES

...imagery acquired in dynamic imaging environments. Through several interesting examples, we address and relate the **key** concepts of information weighting, channel diversity and multiframe processing in the context of producing high...

...resolving power of estimation algorithms. Specifically, we examine the performance of using frame selection to **extract** the least degraded subset of images from an ensemble for processing. Several measures of **image** quality are **compared** against idealized standards to demonstrate their

relative effectiveness for ranking highly the least degraded image...

20/3,K/52 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01721752 ORDER NO: AADAA-I9951639

Feature-based classification with application to synthetic aperture radar

Author: Chiang, Hung-Chih
Degree: Ph.D.
Year: 1999
Corporate Source/Institution: The Ohio State University (0168)
Source: VOLUME 60/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5667. 111 PAGES

...two feature-based pattern classifiers with application to synthetic aperture radar, a template-based geometric **hashing** classifier and a model-based Bayesian feature classifier.

First, we develop a classifier that exploits geometric locations of SAR scattering centers. The classifier is an extension of a geometric **hashing** method for optical images. We synthesize a **hash** table that can be efficiently searched for matching patterns. The **hashing** classifier can be used as a final classifier, and also as an index stage to...

...vector and a set of predicted feature vectors, and incorporates uncertainty in both predicted and **extracted** feature vectors. We implement the matcher, and conduct a number of classification performance estimation experiments on a ten class problem using measured X-band SAR **images**. We **compare** performance versus number of feature attributes, uncertainty on the attributes, and correlation on attribute uncertainty...

20/3,K/53 (Item 4 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01610314 ORDER NO: AAD98-09453

REGION-BASED CODING OF IMAGES AND VIDEO

Author: BASERI, RAMIN
Degree: PH.D.
Year: 1997
Corporate Source/Institution: RENSSELAER POLYTECHNIC INSTITUTE (0185)
Source: VOLUME 58/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4996. 157 PAGES

...solutions to providing video and multimedia services on severely band-limited channels. By processing and **encoding** higher- **level image** attributes, second-generation coding techniques are expected to provide significantly higher compression efficiency, compared to...

...based video coding technique, based on a composite source model of the motion-compensated frame **differences**. Both techniques are implemented in subband environments where the lowest-frequency subband is region-based...

20/3,K/54 (Item 5 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01609642 ORDER NO: AAD98-08312

DEFORMABLE-OBJECT RECOGNITION WITH ARTICULATIONS AND OCCLUSIONS (OBJECT RECOGNITION)

Author: LIU, TYNG-LUH

Degree: PH.D.

Year: 1997

Corporate Source/Institution: NEW YORK UNIVERSITY (0146)

Source: VOLUME 58/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4931. 147 PAGES

...find a target object (undergoing articulations) in an image we use the following procedures: (i) **extracting key** features in an image, (ii) detecting **key** points in the model, (iii) efficiently searching through possible **image** segmentations and (iv) **comparing** and grouping shapes. Together, they reconstruct the target object in the image. A Bayesian rational...

20/3,K/55 (Item 6 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01504476 ORDER NO: AAD96-30353

THE VALUE OF SEARCHING FOR BETTER ALTERNATIVES (DECISION-MAKING)

Author: MALINAK, STEPHEN MATTHEW

Degree: PH.D.

Year: 1996

Corporate Source/Institution: STANFORD UNIVERSITY (0212)

Source: VOLUME 57/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3393. 87 PAGES

...Deciding whether or not to search for better alternatives requires bringing together a number of **key** factors: search goals, **level** of search effort, chance of success, **payoff** given success, and cost. An option-value calculation provides a rigorous methodology for balancing these...

20/3,K/56 (Item 7 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01484663 ORDER NO: AADAA-I9616381

THE CEO IS NOT THE ONLY EMPLOYEE OF THE FIRM: AN EMPIRICAL INVESTIGATION OF FIRM-LEVEL PAY-PERFORMANCE RELATIONSHIPS

Author: RAYTON, BRUCE A.

Degree: PH.D.

Year: 1995

Corporate Source/Institution: WASHINGTON UNIVERSITY (0252)

Source: VOLUME 57/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 801. 174 PAGES

...the agency literature by applying techniques used in the executive compensation literature to examine the **pay**-performance relationship at the firm **level**. The **key** feature of this dissertation is the use of a broad panel of firms over nearly...

20/3,K/57 (Item 8 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01432210 ORDER NO: AADAA-I9530689

MAGNETIC RESONANCE IMAGING OF THE HEART: METHODOLOGIES AND FUNCTIONAL ANALYSIS (LOW FIELD MRI, CARDIAC MRI)

Author: THOMPSON, MICHAEL AARON

Degree: PH.D.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, SAN FRANCISCO (0034)

Source: VOLUME 56/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2745. 214 PAGES

...cardiac magnetic resonance images are less susceptible, relative to higher magnetic field images, to phase **encode** artifacts that arise due to inconsistencies in the rate of acquisition of successive phase **encoded** magnetic resonance signals. Low field magnetic resonance imaging devices are also advantageous as they have significantly lower manufacturing and operating costs **compared** to higher field imagers. The **image** signal to noise ratio of low field magnetic resonance images is lower than that of the higher field magnetic resonance images, but this **difference** is partially compensated by changes in relaxation parameters and other imaging strategies. Additional compensation, without...

20/3,K/58 (Item 9 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01428326 ORDER NO: AADAA-I9526925

MATHEMATICAL MODELING OF PLAIN WEFT KNITTED STRUCTURES (LOOP DEFORMATION)

Author: FARRINGTON, CARLOS ENRIQUE

Degree: PH.D.

Year: 1995

Corporate Source/Institution: NORTH CAROLINA STATE UNIVERSITY AT RALEIGH (0155)

Source: VOLUME 56/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2308. 213 PAGES

...Analysis of Fabric Mechanics Using Optimal Control Theory", used an energy analysis to determine the **key** deformational characteristics of symmetrically loaded knitted loops. This approach assumes that yarns in a knitted...

...the accuracy of model predictions. The experimental procedure involved: (1) characterization of yarn properties, (2) **extraction** of the center-line of a yarn in a knitted loop from a magnified **image**, and (3) a statistical **comparison** between the experimental and the theoretical center-line curves. This analysis showed a high level...

20/3,K/59 (Item 10 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01336610 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

STUDY AND DEVELOPMENT OF SPATIAL FREQUENCY FILTERS FOR COLOUR CODIFICATION, AND THE ANALYSIS OF AERIAL IMAGES: APPLICATION TO THE RECOGNITION OF ARBOREAL VEGETATION (VEGETATION RECOGNITION)

Original Title: ESTUDIO Y DESARROLLO DE FILTROS DE FRECUENCIAS ESPACIALES

PARA LA CODIFICACION EN COLOR Y ANALISIS DE IMAGENES AEREAS: APLICACION
AL RECONOCIMIENTO DE LA VEGETACION ARBOREA

Author: PRIETO RODRIGUEZ, ANTONIO
Year: 1982
Corporate Source/Institution: UNIVERSIDAD POLITECNICA DE MADRID (SPAIN)
(5875)
Source: VOLUME 55/01-C OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 68.

The application of photointerpretation in different fields requires effective methods to **extract** the useful information in aerial images. Optical methods of image processing are highly advised since...

...influence of different types of spatial filters with respect to the resulting colour saturation and **image** quality is investigated.

In the hybrid gray **level** -spatial frequency pseudocolour **encoding** , a colour mapping is applied to the gray levels of another frequency band. Phase filters...

...uses or tree species from aerial photographs.

The system could be used to enhance textural **differences** for a human observer or as preprocessor which provides texture information encoded by colour to...

20/3,K/60 (Item 11 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01232991 ORDER NO: AAD92-13489
BODY IMAGE AND SEXUAL IDENTITY IN SELF-MUTILATING FEMALE ADOLESCENTS
Author: KROLL, KAREN E.
Degree: PH.D.
Year: 1991
Corporate Source/Institution: NORTHWESTERN UNIVERSITY (0163)
Source: VOLUME 53/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1611. 104 PAGES

...explanation comes from the observation that there were trends toward significance for both the body **image** and sex-role **comparisons** . An alternative explanation is that no true **differences** may exist for body image or sexual identity. Since consolidation of sexual identity is one of the **key** tasks of adolescence it may be that disturbance in this area is normal. Other explanations...

20/3,K/61 (Item 12 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01226454 ORDER NO: AAD92-20284
PATHOGENESIS OF ZEA MAYS BY FUSARIUM MONILIFORME USING ENZYME ANALYSIS
Author: TODD, LAURA RUTTMAN
Degree: PH.D.
Year: 1992
Corporate Source/Institution: UNIVERSITY OF MINNESOTA (0130)
Source: VOLUME 53/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 638. 79 PAGES

...in the growth media and are therefore the best candidates for transformation with the gene **encoding** hygromycin B phosphotransferase. *Fusarium moniliforme*, *F. sporotrichioides* and *F. graminearum* were the most sensitive to...

...rot fungi *Fusarium moniliforme*, *F. graminearum* and *F. proliferatum* using the standard rating method in **comparison** with the untested method of **image** analysis, the **differences** between hybrids was greater using image analysis. Moreover, significant **differences** between disease caused by the three pathogens were obtained with the image analyzer during the...

20/3,K/62 (Item 13 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01196040 ORDER NO: AAD92-00035
AN ERROR-FREE IMAGE COMPRESSION ALGORITHM USING CLASSIFYING-SEQUENCING TECHNIQUES

Author: HE, DUANFENG
Degree: PH.D.
Year: 1991
Corporate Source/Institution: THE UNIVERSITY OF ARIZONA (0009)
Source: VOLUME 52/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3678. 84 PAGES

...comparisons between algorithms, as potential discrepancies exist between not only different images but also same **images** when reproduced from prints. **Comparing** the results of different algorithms and with the entropy of the neighboring pixel **differences** on the same images is more objective. When the entropy of an image is high...

...algorithms are likely to be low; and vice versa.

Given that it is faster in **decoding** than in **encoding** images, the most prospective applications of the Classifying-Sequencing algorithm are in the fields of digital image transmission, distribution and archiving, where the images are likely to be **encoded** once but **decoded** many times. It can be easily realized on simple processors, or completely in hardware, due...

20/3,K/63 (Item 14 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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0981011 ORDER NO: AAD88-02078
INSTITUTIONAL IMAGE OF LOUISIANA COLLEGE AS PERCEIVED BY SELECTED CONSTITUENCIES

Author: ELLIS, RONALD LANE
Degree: PH.D
Year: 1987
Corporate Source/Institution: TEXAS A&M UNIVERSITY (0803)
Source: VOLUME 48/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3017. 164 PAGES

...point semantic differential scales. Measurement of the ideal image provided a frame of reference for **comparing** the actual college **image**.

Analysis of variance, with post hoc comparisons of means via the Scheffe test to determine the nature of the group **differences** if the null hypotheses is rejected, was used to statistically test the first two

hypotheses...

...This study recommended continued research in this area. Similar studies should be conducted using other **key** constituencies and comparing Louisiana College with competitive institutions.

20/3,K/64 (Item 15 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

755163 ORDER NO: AAD81-19001
**THE ANALYSIS OF TIME-VARYING IMAGERY BY THE EXTRACTION OF CHANGE
INFORMATION FROM REGIONAL ENCODINGS**
Author: WARD, MATTHEW OLIVER
Degree: PH.D.
Year: 1981
Corporate Source/Institution: THE UNIVERSITY OF CONNECTICUT (0056)
Source: VOLUME 42/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1088. 96 PAGES

**THE ANALYSIS OF TIME-VARYING IMAGERY BY THE EXTRACTION OF CHANGE
INFORMATION FROM REGIONAL ENCODINGS**

...and position of textural regions in time-varying imagery. The technique employed is that of **extracting** change information in the **comparison** of corresponding regions in successive **images** under a variety of regional representations. Limitations on the types of changes each representation is...

20/3,K/65 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2004 The HW Wilson Co. All rts. reserv.

1850260 H.W. WILSON RECORD NUMBER: BAST99020617
**On key distribution management for conditional access system on Pay-TV
System**
Tu, Fu-Kuan; Lai, Chi-Sung; Tung, Hsu-Hung
IEEE Transactions on Consumer Electronics v. 45 no1 (Feb. '99) p. 151-8
DOCUMENT TYPE: Feature Article ISSN: 0098-3063

...ABSTRACT: distributions. Based on the proposed 2 grouping methods, a simple and complete scheme of 4- **levels** of **key** hierarchy for the **key** distribution management for CAS on **Pay** -TV system was developed. The system was shown to be efficient and suitable for a...

20/3,K/66 (Item 1 from file: 474)
DIALOG(R)File 474:New York Times Abs
(c) 2004 The New York Times. All rts. reserv.

06506548 NYT Sequence Number: 149896930117
15-YEAR MORTGAGES GAINING IN POPULARITY
GARBARINE, RACHELLE
New York Times, Col. 1, Pg. 11, Sec. 10
Sunday January 17 1993

ABSTRACT:
...instead of more tradiitonal 30-year loans, spurred by interest rates

that are at lowest level in last 20 years; key reason to pay off mortgage faster is to reduce interest payments over life of loan; photo (M)

20/3,K/67 (Item 2 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2004 The New York Times. All rts. reserv.

00977406 NYT Sequence Number: 095242790301

US Supreme Court rules unanimously that a contract requiring manufacturer to pay royalty for right to market new invention remains enforceable even if invention is later denied a patent. Decision reverses ruling of Federal appellate court, which had cast doubt on these types of contracts by allowing a Missouri company to stop paying royalties to inventor of a novelty type of key ring. Is important to nonpatent licensing industry, which generates about \$1 billion per year in royalties under agreements governed by state contract or trade-secret law. Royalties go to people whose inventions, while novel, do not meet strict standards of patentability under Federal patent laws. Background of case reviewed (S.)

GREENHOUSE, LINDA

New York Times, Col. 6, Pg. 1, Sec. 4

Thursday March 1 1979

...had cast doubt on these types of contracts by allowing a Missouri company to stop paying royalties to inventor of a novelty type of key ring. Is important to nonpatent licensing industry, which generates about \$1 billion per year in...

20/3,K/68 (Item 1 from file: 475)

DIALOG(R)File 475:Wall Street Journal Abs

(c) 2004 The New York Times. All rts. reserv.

08008527 NYT Sequence Number: 000000990120

SALARY SPREAD IN EUROLAND MAY FORCE FIRMS TO COMPETE FOR TOP WORKERS

WOODRUFF, DAVID

Wall Street Journal, Col. 1, Pg. 9B, Sec. B

Wednesday January 20 1999

ABSTRACT:

...the transparency it provides is likely to pressure companies to match the region's top pay scale for some top and mid-level managers or risk losing key employees (M)

20/3,K/69 (Item 2 from file: 475)

DIALOG(R)File 475:Wall Street Journal Abs

(c) 2004 The New York Times. All rts. reserv.

06269768

ADVERTISING: LOW- KEY GREY CHIEF GETS HIGH- LEVEL PAY

LIPMAN, JOANNE

Wall Street Journal, Col. 1, Pg. 10, Sec. B

Wednesday June 24 1992

ADVERTISING: LOW- KEY GREY CHIEF GETS HIGH- LEVEL PAY

20/3,K/70 (Item 1 from file: 583)

DIALOG(R) File 583:Gale Group Globalbase(TM)
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06698018

Many nurses want to quit the NHS over poor pay

UK: NHS NURSES DISSATISFIED BY PAY LEVELS

Independent (TI) 05 Oct 1998 p.5

Language: ENGLISH

... would not recommend nursing as a career. Unison proposed an across the board increase for **pay** and a restructuring of **key grades** so that the lowest paid nurses have a higher starting salary.

| Set | Items | Description |
|-----------|---|---|
| S1 | 3005600 | HASH? OR ENCRYPT? OR ENCRYPT? OR CRYPTO? OR CRIPTO? OR KEY? ? OR ENCIPHER? OR DECOD? OR ENCOD? OR DECRYPT? |
| S2 | 5927147 | LEVEL? ? OR TYPE? ? OR GRADE? ? |
| S3 | 4888712 | PAY? |
| S4 | 919942 | IMAGE? ? OR INDICIA OR INDICIUM |
| S5 | 3203941 | COMPAR? |
| S6 | 1580042 | EXTRACT? OR DIFFERENCE? |
| S7 | 28426 | S1(3N)S2 |
| S8 | 38 | S7(3N)S4 |
| S9 | 153 | S7(7N)S3 |
| S10 | 0 | S9(20N)S6 |
| S11 | 0 | S7(20N)S3(20N)S4 |
| S12 | 3081 | S4(3N)S5 |
| S13 | 73 | S12(20N)S6 |
| S14 | 264 | S8 OR S9 OR S13 |
| S15 | 139 | S14 NOT PY>2000 |
| S16 | 115 | RD (unique items) |
| File 20: | Dialog Global Reporter 1997-2004/Sep 10 (c) 2004 The Dialog Corp. | |
| File 476: | Financial Times Fulltext 1982-2004/Sep 10 (c) 2004 Financial Times Ltd | |
| File 610: | Business Wire 1999-2004/Sep 10 (c) 2004 Business Wire. | |
| File 613: | PR Newswire 1999-2004/Sep 10 (c) 2004 PR Newswire Association Inc | |
| File 624: | McGraw-Hill Publications 1985-2004/Sep 09 (c) 2004 McGraw-Hill Co. Inc | |
| File 634: | San Jose Mercury Jun 1985-2004/Sep 09 (c) 2004 San Jose Mercury News | |
| File 810: | Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire | |
| File 813: | PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc | |

16/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

14546205 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Look forward to looking back

WESTERN MORNING NEWS

November 27, 2000

JOURNAL CODE: FWMN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 153

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... ago. "I try to find exactly the right location, and it is always fun to **compare** the two **images**. Even where the changes don't look obvious at first, there are always plenty of **differences**

Among the locations included are the Barbican, Hoe, Mutley and city centre. The calendar is...

16/3,K/2 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

14546003 (USE FORMAT 7 OR 9 FOR FULLTEXT)

conclusions, Global Payments Council, Oct 2000

ELECTRONIC PAYMENTS INTERNATIONAL

December 28, 2000

JOURNAL CODE: WEPI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 439

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... process to satisfy client needs.

Conclusion 5 New standalone e-finance players need to outsource **payment** processing and cash clearing, creating a new **type** of correspondent relationship.

Key providers are likely to include the likes of Deutsche Bank, Chase, Barclays and ABN Amro...

16/3,K/3 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

14442256 (USE FORMAT 7 OR 9 FOR FULLTEXT)

How A Mother Can Tell Identical Twins Apart

PAUL KENDALL

DAILY MAIL, p22

December 28, 2000

JOURNAL CODE: FDM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 260

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a prototype it creates by amalgamating every face a person has ever seen into one **image**.

The brain then **compares** each face seen to that prototype and identifies it according to perceived **differences**.

Dr Anya Hurlbert, of the University of Newcastle, said the findings

were important. 'The routine...

16/3,K/4 (Item 4 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

14197693 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Weather (Weather Eye): New satellites offer answer to volcanic hazards

IRISH TIMES, p28

December 12, 2000

JOURNAL CODE: FIRT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 422

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and emission characteristics vary significantly for different wavelengths of incident infra-red radiation. Therefore, by **comparing images** simultaneously obtained in infra-red channels, **differences** in brightness make it possible to distinguish volcanic ash clouds easily from ordinary clouds which...

16/3,K/5 (Item 5 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

14076020 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Visa International ties up with global e-payment firm

Reena J. Villamor

BUSINESSWORLD (PHILIPPINES), p13

December 05, 2000

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 432

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... added.

VCHEQ's Payment Gateway utilizes the Public Key Infrastructure (PKI) to provide a high **level** of **encryption**, ensuring that the information on the **payment** is authentic and accurate, secured, and authorized, a statement said.

"The solution is a global...

16/3,K/6 (Item 6 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

14042164 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Plymouth's colourful past in pictures

WESTERN MORNING NEWS, Evening Herald ed, p18

December 01, 2000

JOURNAL CODE: FWMN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 186

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... find exactly the right location for the present picture, and it is always fun to **compare** the two **images**.

Changes

"Even where the changes don't look obvious at first, there are always plenty of **differences** to spot."

Among the Then and Now locations visited for the 2001 calendar are the ...

16/3,K/7 (Item 7 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13987969 (USE FORMAT 7 OR 9 FOR FULLTEXT)

SPECIAL FEATURE: Printers and Copiers: Canon showcases imaging expertise in holiday offerings

Iris M. Reyes

BUSINESSWORLD (PHILIPPINES), p26

November 29, 2000

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 658

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... printing.

On the other hand, the BJC-3000 is perfect as a small office entry level printer. Its **key** features include an **image** optimizer, drop modulation technology, photo optimizer, monochrome effects, illustration effects, independent ink tank, accurate ink...

16/3,K/8 (Item 8 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13599144 (USE FORMAT 7 OR 9 FOR FULLTEXT)

What's Green, Scaly and Living Large in New York City?

PR NEWSWIRE

November 02, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 664

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the fuzzier the image gets," said Bob Goldstein, President of Altamira.. "Not so with this **image**. When you **compare** the quality of the final 65-foot version to the original digital file, there's virtually no **difference**. Nikon's great image quality combined with Altamira's powerful scaling software created this spectacular...

16/3,K/9 (Item 9 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13577419 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Samsung SDS Launches WiseVIEW 3.2; Versatile File Viewer Supports Hundreds of Different File Types, Ideal for Viewing and Comparing Complex Word Processing Documents and CAD Files

BUSINESS WIRE

November 01, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1144

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... made to a CAD image, it can be difficult to see the changes. WiseVIEW highlights **differences** between images, making it easy to see any changes. If a developer needs a more accurate method to **compare images**, WiseVIEW offers precise measurement capabilities to determine distances, curvature rates, and other parameters.

Integrates with...

16/3,K/10 (Item 10 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13351461 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Second Generation e-Payments to Revolutionize the World of e-Commerce, Says Ovum

BUSINESS WIRE

October 18, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 936

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... domain of e-commerce beyond the desktop and creating the need for alternative means of **payment**.

Ovum finds that there are five **key types** of e-**payment** method, including:

-- Metered **payments** - e-commerce transactions that appear as itemized entries on a bill, along with, for example...

16/3,K/11 (Item 11 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13242010 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Jackson Partners With EzGov to Provide Government Services Online

PR NEWSWIRE

October 11, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 478

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... out to save for their records. The system is secure and reliable, with the highest **level** of **encryption** available. Those choosing to **pay** their taxes online will be charged a \$4 fee per payment.

Access to these services...

16/3,K/12 (Item 12 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13123988 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Reviews: Classical: Multi-culturalism meets multi-media: Tan Dun festival: Barbican, London: Mediocre

TOM SERVICE
GUARDIAN

October 03, 2000

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 646

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... s elemental changes of texture and mood, Viola's editing created an interpretative space between **image** and music.

In **comparison** , Tan Dun's Crouching Tiger Concerto allowed only the narrowest gap for **difference** or imagination.

A directness of musical communication is also an essential part of Tan Dun...

16/3,K/13 (Item 13 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

13109804 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Multi-culturalism meets multi-media YENArmatrading on tour YENJames MacMillan triumphs in Manchester

ERICA JEAL

GUARDIAN

October 03, 2000

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1915

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... s elemental changes of texture and mood, Viola's editing created an interpretative space between **image** and music.

In **comparison** , Tan Dun's Crouching Tiger Concerto allowed only the narrowest gap for **difference** or imagination.

A directness of musical communication is also an essential part of Tan Dun...

16/3,K/14 (Item 14 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

12993969 (USE FORMAT 7 OR 9 FOR FULLTEXT)

FileFlow Announces New Support for JPEG Image Compression

PR NEWSWIRE

September 25, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1055

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and convergence devices. FileFlow's FastSend and FastStore products incorporate the world's leading proprietary **image** compression technology, military- **grade encryption** technology and intuitive user interfaces, combined with state-of-the-art storage hardware and workstations...

16/3,K/15 (Item 15 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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12920729 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Compugen releases breakthrough biotech product
BUZZY GORDON
JERUSALEM POST
September 20, 2000
JOURNAL CODE: WJPT LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 394

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... accessible. Furthermore, Z3 provides research-oriented tools for data mining and querying, allowing scientists to **extract** a vast amount of information from 2D gels in general, and large-scale experiments in particular.

The **comparison** of the protein **images** has manifold applications, Preminger explained, including therapeutic drug target discovery and studying possible toxic side...

16/3,K/16 (Item 16 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

12821528 (USE FORMAT 7 OR 9 FOR FULLTEXT)
UK Government: Speech by the Chancellor of the Exchequer at the TUC Congress on 12 September 2000
M2 PRESSWIRE
September 13, 2000
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4098

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... enhance the value of each of our skills.
So it is not only because the **key** to future **levels** of productivity and **pay** is in the level of our skills but because our strength and security lies in...

16/3,K/17 (Item 17 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

12792260 (USE FORMAT 7 OR 9 FOR FULLTEXT)
HM TREASURY / SPEECH BY THE CHANCELLOR OF THE EXCHEQUER AT TUC CONGRESS
HERMES-GOVERNMENT PRESS RELEASES
September 12, 2000
JOURNAL CODE: WHER LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4047

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... enhance the value of each of our skills.

So it is not only because the **key** to future **levels** of productivity and **pay** is in the level of our skills but because our strength and security lies in our...

16/3,K/18 (Item 18 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

12615946 (USE FORMAT 7 OR 9 FOR FULLTEXT)
FileFlow Inc. Announces Support for the Apple Macintosh Operating System
PR NEWSWIRE
August 30, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 877

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and convergence devices. FileFlow's FastSend and FastStore products incorporate the world's leading proprietary **image** compression technology, military- **grade encryption** technology and intuitive user interfaces, combined with state-of-the-art storage hardware and workstations...

16/3,K/19 (Item 19 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

12586030
Automated optical inspection
ABIX - AUSTRALASIAN BUSINESS INTELLIGENCE (AUSTRALIAN ELECTRONICS ENGINEERING) , p26
August 01, 2000
JOURNAL CODE: WAEE LANGUAGE: English RECORD TYPE: ABSTRACT
WORD COUNT: 59

...have been designed to bring this capacity to small and medium sized manufacturers. The machines **compare** absolute **image** and colour **differences** against an already recorded, benchmark image.

16/3,K/20 (Item 20 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

12533364 (USE FORMAT 7 OR 9 FOR FULLTEXT)
New Way For Banks To Vie with Amex Blue
AMERICAN BANKER, p1
August 24, 2000
JOURNAL CODE: WAMB LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 821

...to compete with the American Express Blue card.
Their iBanking chip card features a high **encryption level** and a flexible **payment** architecture. Banks can put their brand names on the card and customize it with various...

16/3,K/21 (Item 21 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

12343601
Communist Caddies?

Fidel Castro tees off on capitalisms favorite pastime, but will golf
attract tourist dollars to Cuba?

Julie Dulude Varadero

LATIN TRADE MAGAZINE

January 08, 2000

JOURNAL CODE: WLTM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1175

... has begun selling the country as a destination for all
things golf. While revolutionary Che Guevaras **image** now graces all **types**
of souvenirs from **key** chains to T-shirts, the blatant promotion of
capitalisms favorite pastime reflects the Marxist governments...

16/3,K/22 (Item 22 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

12247902 (USE FORMAT 7 OR 9 FOR FULLTEXT)

PRW FOCUS: VISUALS - Perfect pictures in a snap. Getting the ideal image
from an agency shouldn't be a shot in the dark. Creative briefs, forward
planning and the advent of digital imagery and transfer makes the whole
process child's play. Ben Bold invest

BEN BOLD

PR WEEK, p15

August 04, 2000

JOURNAL CODE: FPWK LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1773

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... colour, the fruit or the company.

How much should visuals cost?

There is a significant **difference** in price when buying a
royalty-free **image** , **compared** to purchasing a rights protected image.
The former can cost from anywhere between pounds 12...

16/3,K/23 (Item 23 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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12141038 (USE FORMAT 7 OR 9 FOR FULLTEXT)

JULY 27, 2000

CCN DISCLOSURE

July 28, 2000

JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 849

... Today, TimePlex Federal Systems extended their partnership with
Zaxus, Inc. (formerly known as Racal Security & **Payments**) making several
Zaxus **type** III **encryptors** available on the TimePlex GSA schedule. The
Datacryptor(TM) 2000 ATM, Datacryptor(TM) 2000 Frame...

16/3,K/24 (Item 24 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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12134069 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Timeplex Federal Systems, LLC and Zaxus, Inc. Team to Make Zaxus Data
Encryptors Available on the GSA Schedule**

BUSINESS WIRE

July 27, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 859

... Today, TimePlex Federal Systems extended their partnership with Zaxus, Inc. (formerly known as Racal Security & **Payments**) making several Zaxus **type III encryptors** available on the TimePlex GSA schedule. The Datacryptor(TM) 2000 ATM, Datacryptor(TM) 2000 Frame...

16/3,K/25 (Item 25 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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11717581 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Cash: Business and banking - this time it's personal: Current accounts: If you can't get away with a 'free' account, seek out the best deal for the self-employed

VIRGINIA WALLIS

OBSERVER, p20

June 25, 2000

JOURNAL CODE: FOBS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 797

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... These days there is a wavy line between personal and business accounts,' says Capon. 'Transaction **level** is the **key** factor. If you're only **paying** in a couple of cheques per month and you don't expect your bank to...

16/3,K/26 (Item 26 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

11017233 (USE FORMAT 7 OR 9 FOR FULLTEXT)

PLDT bills can now be paid thru Internet

BUSINESSWORLD (PHILIPPINES), p25

May 15, 2000

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 343

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... customer opts to pay via the Internet, he selects using his personal computer the standard **payment** , **types** or **keys** in his PIN (4-digit number) and submits. His payments will be confirmed through the...

16/3,K/27 (Item 27 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

10900239 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Weighting tips salary scales towards the east

ANDY DROUGHT

HERALD (UNITED KINGDOM), p1

May 01, 2000

JOURNAL CODE: FGH LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 461

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the central belt to jobs in Edinburgh.

Trade union officials said it was vital the **pay levels** of **key** workers such as nurses, local authority employees and other public servants kept pace with Edinburgh...

16/3,K/28 (Item 28 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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10825455 (USE FORMAT 7 OR 9 FOR FULLTEXT)

RE: Racial Security & Payments Changes its Name to Zaxus

CCN DISCLOSURE

May 02, 2000

JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 638

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... company's commitment to innovation and technical excellence.

"As an established worldwide leader in high- **grade cryptographic** security products and solutions for electronic **payments**, Zaxus already has the core security technology in place to establish a leadership position in...

16/3,K/29 (Item 29 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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10812473 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Racial Security & Payments Changes its Name to Zaxus

BUSINESS WIRE

May 02, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 655

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... company's commitment to innovation and technical excellence.

"As an established worldwide leader in high- **grade cryptographic** security products and solutions for electronic **payments**, Zaxus already has the core security technology in place to establish a leadership position in...

16/3,K/30 (Item 30 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

10537933 (USE FORMAT 7 OR 9 FOR FULLTEXT)

That'll do nicely for brokers.

POST MAGAZINE, p6

April 13, 2000

JOURNAL CODE: WPST LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 175

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... s electRa back-office system.

Further rate reductions are available depending on the broker's **level**
of card **payments** .

Key Choice managing director Nick Bate said: "Plastic is a way of
life for a large...

16/3,K/31 (Item 31 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

09934001 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**An 'interesting' day out for Owen: STEVE DAVIS TAKES A BREAK FROM SNOOKER
TO PARTNER COXMOOR'S GREG OWEN**

NOTTINGHAM EVENING POST , Nottingham Post Group - Evening Post (Late Final
- LF) ed, p58

March 02, 2000

JOURNAL CODE: FNEP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 985

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... playing side.

He must be be patient though, and the long hours of practice will **pay**
off.

Concentration is another **key** area at that **level** .

It is easier for snooker players because even when we are sitting in
the chair...

16/3,K/32 (Item 32 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

09801405 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Corporate Executive - Acquisition/placing, etc

REGULATORY NEWS SERVICE

February 28, 2000

JOURNAL CODE: WRNS LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 6568

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... standard security measures to protect its merchant customers as
well as their customers. DataCash's **payment** solutions use high **levels**
of **encryption** technology within the network to protect the card details
of merchants' clients.

DataCash's transaction...

16/3,K/33 (Item 33 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

09315666 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Netscape makes available 128-bit encryption browsers for international users
INTERNET BUSINESS NEWS
January 27, 2000
JOURNAL CODE: WIBN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 107

... to 128-bit security, which will make online shopping safer, allow online banking and bill **paying** on web sites requiring high- **grade encryption** and improve the security of encrypted mails.

16/3,K/34 (Item 34 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

09098002 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Kibo Breweries to Instal Bottle Inspection Equipment
Joseph Mwamunyange Special Correspondent
EAST AFRICAN
January 12, 2000
JOURNAL CODE: WTEA LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 402

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... machine has six video cameras that hold a picture of what should be there and **compare** this **image** with the bottle being inspected. Any **difference** between the picture of the bottle in the computer memory and the one being physically...

16/3,K/35 (Item 35 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08714880 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Are phones ringing out as the net trades up?
KEN HOUSTON
SCOTSMAN, p18
December 11, 1999
JOURNAL CODE: FSCT LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1329

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... raised a serious issue. He commented: "In a competitive market, any business that reduces its **level** of service to **key** customer groups will **pay** the price in terms of lost business.
"While we have no particular concern about how...

16/3,K/36 (Item 36 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08273808 (USE FORMAT 7 OR 9 FOR FULLTEXT)
DRIVERS' STRIKE HALTS BUSES IN WEST LONDON
EVENING STANDARD, p2

November 17, 1999
JOURNAL CODE: FES LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 130

(USE FORMAT 7 OR 9 FOR FULLTEXT)

A Transport and General Workers' Union spokesman said: ' **Key** issues are the **level** of **pay** and staff shortages, as drivers are having to work too much overtime and this is...

16/3,K/37 (Item 37 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08211115 (USE FORMAT 7 OR 9 FOR FULLTEXT)
SUMMIT-CASTRO/CD CASTRO RELEASES CD-ROM CONTAINING HIS SPEECHES FROM PRIOR SUMMITS
EFE NEWS SERVICE
November 13, 1999
JOURNAL CODE: WEFE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 205

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... demonstration on how to use the CD-Rom, whose images, sounds and texts were all **extracted** from official sources.

The CD-Rom allows the user to pause the audio and **image** , **compare** different texts, print it or save it. The user may also search for the number...

16/3,K/38 (Item 38 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

07727827
Small manufacturing firms raise inflation alarm (I piccoli industriali lanciano l'allarme inflazione)
IL GIORNALE, p18
October 10, 1999
JOURNAL CODE: WGIO LANGUAGE: Italian RECORD TYPE: ABSTRACT
WORD COUNT: 145

... constantly reiterates his view that low inflation, low interest rates, increased investments and higher employment **levels** are the **key** to guaranteeing reasonable **pay** and pension levels. He is now backed by small and medium-sized enterprises, which represent...

16/3,K/39 (Item 39 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

07695356 (USE FORMAT 7 OR 9 FOR FULLTEXT)
A Known World
Everyday stories from Hindi literature's modern master
Vibha Bhalla, Seema Chowdhry
INDIA TODAY, p84
October 18, 1999

JOURNAL CODE: WINT LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 708

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... essays. For works of fiction Ambai prefers Tamil "because this is the language in which **images** come to me". **Comparing** her personas she says, "Where the thoughts of Ambai and Lakshmi are concerned, they are similar. The **difference** is in writing styles and the language." Counted among the more original contemporary Tamil writers...

16/3,K/40 (Item 40 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

07620722 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Facing declines in recruitment, Pentagon pins hopes on pay hikes, benefits
AGENCE FRANCE PRESSE
October 05, 1999
JOURNAL CODE: WAFP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 487

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... raise for the military, the largest since 1982.
The officials said the 42 billion dollar **pay** package was **key** to maintaining force **levels** mandated by Congress despite shortfalls in recruiting, particularly in the army and air force.
"The...

16/3,K/41 (Item 41 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

07286235 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The guidefriday: In brains we trust: She's bright, enthusiastic and attractive - but no more so than any number of maths graduates. So why is it that Carol Vorderman is fast becoming Britain's most succesful TV presenter? looks for the secret of her succe
JANINE GIBSON
GUARDIAN
September 17, 1999
JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 821

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... taken over some of those roles filled by people like Anneka Rice the big sister **type** of **image**. The **key** is that she's attractive but without being threatening like, say, Ulrika Johnson. Your girlfriend...

16/3,K/42 (Item 42 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

07262835 (USE FORMAT 7 OR 9 FOR FULLTEXT)

In brains we trust: She's bright, enthusiastic and attractive - but no more

so than any number of maths graduates. So why is it that Carol Vorderman is fast becoming Britain's most succesful TV presenter? Janine Gibson looks for the secret of her success

GUARDIAN

September 17, 1999

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 821

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... taken over some of those roles filled by people like Anneka Rice the big sister **type** of **image**. The **key** is that she's attractive but without being threatening like, say, Ulrika Johnson. Your girlfriend...

16/3,K/43 (Item 43 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

05584837 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Technique - Review - First look Macromedia Fireworks 2 - Designs

The latest version of Macromedia's web graphics package may be just what you need to spice up your Internet presence, says Andrew Korn.

COMPUTING, p52

June 03, 1999

JOURNAL CODE: WCOM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1663

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... show the advantages, with one test image 45% smaller than Photoshop's attempt at a **comparable image** quality.

With a large image, this could mean the **difference** between a visitor to your web site staying or going.

Fireworks 2 does not just...

16/3,K/44 (Item 44 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

05567462

No party will win a majority in elections

JAKARTA POST, p4

June 02, 1999

JOURNAL CODE: FJKP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1229

... ones. And yet, under a repressive system, competition in the elections was not based on **comparative images** of a party's programs; the competition was based more on the **differences** in "distance from the center of power" rather than programs. Apart from some newly founded...

16/3,K/45 (Item 45 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

05506913 (USE FORMAT 7 OR 9 FOR FULLTEXT)

VCI Introduces Internet Applications Free for the Family and Internet

Veteran: An Easiest-to-Use Web Design Application and a Search Engine with a Brain

BUSINESS WIRE

May 27, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 791

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... information based on the kinds of links available, whether they're audio, video, text or **image**. Users simply **type** in **key** words for a complete search or use a directory, and choose their medium. Then with...

16/3,K/46 (Item 46 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

05073615 (USE FORMAT 7 OR 9 FOR FULLTEXT)

ICBA Praises Allard's Subchapter S Expansion; Bill Would Help Community Banks and Small Businesses

PR NEWSWIRE

April 23, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 614

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... S Corporation can escape punitive double taxation that applies to a Subchapter C Corporation by **paying** the income tax only at the shareholder **level**."

Key features of Sen. Allard's bill include: increasing the number of S Corporation eligible shareholders...

16/3,K/47 (Item 47 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

05002018 (USE FORMAT 7 OR 9 FOR FULLTEXT)

How dividend tax changes hit Peps; Money Matters

SUNDAY TIMES (UNITED KINGDOM)

April 18, 1999

JOURNAL CODE: FSTM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 273

...the same amount of corporation tax as before. So we can assume they will still **pay** the same **level** of dividends - the **key** point.

16/3,K/48 (Item 48 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

04793384 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Styleclick.com Revolutionizes Apparel Shopping on the Internet; Modacad Improves Online Apparel Shopping Experience With the First E-Commerce Site Specifically Designed for Women

BUSINESS WIRE

March 29, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 602

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... are "browser" shoppers not "functional" shoppers -- comparison shopping is important. Recent research suggests that visual **differences**, more than price, determine women's shopping choices.

Styleclick.com is the first e-commerce site to provide **image -by-image comparisons** by category, where women can compare related products from different manufacturers and visually compare the...

16/3,K/49 (Item 49 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04728910 (USE FORMAT 7 OR 9 FOR FULLTEXT)
VCI Introduces Search by Media, a Search Engine with a Brain Ending the Frustrations of Traditional Text-Based Search Engines

PR NEWSWIRE

March 23, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 431

... information based on the kinds of links available, whether they're audio, video, text or **image**. Users simply **type** in **key** words for a complete search or use a directory, and choose their medium. Then with...

16/3,K/50 (Item 50 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04408031 (USE FORMAT 7 OR 9 FOR FULLTEXT)
A- level in maths is key to high pay
INDEPENDENT
February 20, 1999
JOURNAL CODE: FIND LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 459

A- level in maths is key to high pay

16/3,K/51 (Item 51 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04352212 (USE FORMAT 7 OR 9 FOR FULLTEXT)
QSound's First Licensed Healthcare Industry Product Market Ready Starkey concludes testing of Cetera(TM) Hearing Aid

CANADIAN CORPORATE NEWS

February 16, 1999

JOURNAL CODE: WCCN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 462

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... state-of-the art in hearing aids," said Jerry Ruzicka, president, Starkey Labs. "The sound **difference** is as significant as **comparing** a

one-dimensional **image** to 3D."

About QSound Labs, Inc.

Founded in 1988, QSound Labs, Inc. (NASDAQ: QSNDF), is...

16/3,K/52 (Item 52 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

04338326 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**QSound's First Licensed Healthcare Industry Product Market Ready; Starkey
Concludes Testing of Cetera Hearing Aid**

BUSINESS WIRE

February 16, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 624

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... state-of-the art in hearing aids," said Jerry Ruzicka, president,
Starkey Labs. "The sound **difference** is as significant as **comparing** a
one-dimensional **image** to 3D."

About QSound Labs, Inc.

Founded in 1988, QSound Labs, Inc. (NASDAQ:QSNDF), is...

16/3,K/53 (Item 53 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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04203740 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**More workers to be paid by performance; Public Sector Pay
TIMES**

February 02, 1999

JOURNAL CODE: FTMS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 622

Government to restructure **pay** in favour of **key grades**, write
Jill Sherman and Valerie Elliott

THE Government took the first steps towards restructuring public...

16/3,K/54 (Item 54 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

04008756 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Micro images beat transistor models

ELECTRONICS TIMES, pPage 14

January 11, 1999

JOURNAL CODE: FETS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 242

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... microscope is sensitive to the local 'voltage' seen by the imaging
beam.

When the acquired **images** were **compared** with **images** of the same
transistor based solely on computer simulation, **differences** were noticed.
These results can be used to improve computer predictions on dopant

diffusion of...

16/3,K/55 (Item 55 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03840344 (USE FORMAT 7 OR 9 FOR FULLTEXT)

BNZ aims for home banking

SECTION TITLE: NEWS

2

PULLAR-STRECKER Tom

INFOTECH WEEKLY, p1

December 07, 1998

JOURNAL CODE: WIWY LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 334

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... service will use, but says it will be "very strong". However, product manager of electronic **payments**, Russell Briant, says **encryption levels** are increasingly "a non-issue".

"Visa and Mastercard cannot tell you of an example of...

16/3,K/56 (Item 56 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03722730 (USE FORMAT 7 OR 9 FOR FULLTEXT)

LUCENT TECHNOLOGIES: Bell Labs & German researchers report images of forces inside a transistor

M2 PRESSWIRE

December 10, 1998

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 516

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the microscope is sensitive to the local "voltage" seen by the imaging beam.

When researchers **compared images** of transistors produced with electron holography with images of the same transistors based solely on computer simulations, there were slight **differences**. As a result, Baumann said, simulations may be improved by refining how they predict dopants...

16/3,K/57 (Item 57 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03503153 (USE FORMAT 7 OR 9 FOR FULLTEXT)

BRIEFING - ASIA INFORMATION TECHNOLOGY - NOV 19, 1998

ASIA PULSE

November 19, 1998

JOURNAL CODE: WAPL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 870

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... five seconds on a PC.

The system takes a variety of factors into account when **comparing** the **image** in its database with a current image of the person's face, including not only **differences** in the angle of lighting in the picture, but also the types of changes in...

16/3,K/58 (Item 58 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03503143 (USE FORMAT 7 OR 9 FOR FULLTEXT)

MATSUSHITA INSTITUTE DEVELOPS COMPUTER FACE ID SYSTEM

ASIA PULSE

November 19, 1998

JOURNAL CODE: WAPL LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 254

(USE FORMAT 7 OR 9 FOR FULLTEXT)

The system takes a variety of factors into account when **comparing** the **image** in its database with a current image of the person's face, including not only **differences** in the angle of lighting in the picture, but also the types of changes in...

16/3,K/59 (Item 59 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03358560 (USE FORMAT 7 OR 9 FOR FULLTEXT)

NORTHROP GRUMMAN: Northrop Grumman unit part of team selected for mail processing contract

M2 PRESSWIRE

November 05, 1998

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 460

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... provide the capability to feed mail via automated feed stations, automatically read bar codes, acquire **images** of script and **typed** mail for video **encoding** and process mail using optical character reader recognition technology.

Work under this initial contract award...

16/3,K/60 (Item 60 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03188538 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Strategy - Salary Survey - IT degree the fast track to a career

There are times you may not think so, but the latest NCC survey shows you've made a sound choice opting for IT, says Steven Mathieson.

COMPUTING, p44

October 22, 1998

JOURNAL CODE: WCOM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 2125

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... covers the salaries of more than 8,300 IT staff at 484 companies.
And its **key** indicators, including **pay levels** and shortages, are
all accelerating upwards.
The trends shown in the NCC survey are supported...

16/3,K/61 (Item 61 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

02923198 (USE FORMAT 7 OR 9 FOR FULLTEXT)

MACHINES WILL PAY UP IN BLINK OF AN EYE: THE TIMES FT McCarthy (Q1:40)

TIMES

December 02, 1997

JOURNAL CODE: FTMS LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 305

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... into a camera from a distance of about one foot. The iris scan will
be **extracted** from the **image**, and **compared** with the stored code held
in a central database to confirm the individual's identity...

16/3,K/62 (Item 62 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

02617424 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**QMS and Mosaix Team Up to Deliver Integrated, On-Demand Document Printing
Products**

BUSINESS WIRE

August 26, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 812

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... formats, including CCITT Group 3 and Group 4 compressed TIFF, CALS
Raster and PostScript(TM) **Level 2** fax- **encoded image** files. This
high-speed interface offers ViewStar customers the ability to print
document images and...

16/3,K/63 (Item 63 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

01964399 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Scantek Amends South American Distribution Agreement

BUSINESS WIRE

June 18, 1998 10:25

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 424

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... chemical heat sensors which are easily inserted inside the bra. The

BreastCare* product detects heat **differences** by **comparing** mirror image segments of the two breasts.

An elevated temperature differential of two degrees Fahrenheit or more

...

16/3,K/64 (Item 64 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

01419647

ProBusiness Debuts Online Paycheck Viewing At APA 1998 Congress; Employees Empowered with "Anytime, Anywhere" Paycheck Data Access

BUSINESS WIRE

April 20, 1998 8:58

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 336

... processing tasks from payroll administrators to employees also helps organizations improve operations' efficiency and service **levels** . "A **key** deliverable of the ProBusiness OnLine Suite, View **PayChecks** has already received widespread industry enthusiasm," said Tom Sinton, CEO of ProBusiness. "The extended capabilities...

16/3,K/65 (Item 65 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

01326727 (USE FORMAT 7 OR 9 FOR FULLTEXT)

NDS Continues First to Market 4:2:2 Successes with New ATSC-Ready MPEG 4:2:2 Broadcasting Solutions

BUSINESS WIRE

April 06, 1998 9:6

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 872

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 2:2 applications in satellite and terrestrial broadcast operation. NDS' 4:2:2 receivers and **decoders** provide new **levels** of **image** quality for the professional, delivered with highly bit rate efficient 8PSK satellite modulation to allow...

16/3,K/66 (Item 66 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2004 The Dialog Corp. All rts. reserv.

00132560 (USE FORMAT 7 OR 9 FOR FULLTEXT)

IMAGING: Polaroid and Nikon score pluses and minuses in their latest scanner range offerings: Efficiency and colour key factors

Do you remember when pocket calculators were a novel toy for the rich, costing hundreds of dollars. You do? Man you're getting old. I heard that story from my Dad!

SOUTH CHINA MORNING POST

July 24, 1997

JOURNAL CODE: FSCP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 728

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... results that took just seconds with the Polaroid.

Once the images landed in Photoshop, the **difference** between the two machines was immediately obvious. The Nikon's **images** were quite accurate **compared** with the original, albeit after a fair amount of fiddling. But the Polaroid's images...

16/3,K/67 (Item 1 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2004 Financial Times Ltd. All rts. reserv.

0010563268 ACxxxxxx0303

SURVEY - LIFE ON THE NET : SMALL BUSINESS: Variations on a postage theme

The Financial Times, Surveys ED, P 1

Wednesday, September 6, 2000

DOCUMENT TYPE: NEWSPAPER; Surveys LANGUAGE: ENGLISH RECORD TYPE:
FULLTEXT

Word Count: 647

...proceed to the checkout they are transferred to a site that accepts data using high **levels** of **encryption**. Orders are forwarded to White, who processes **payments** using a Visa terminal. Stamps are then packed and sent by post. White said it...

16/3,K/68 (Item 2 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2004 Financial Times Ltd. All rts. reserv.

0010066722 A19991013249-EB-FT

COMMODITIES & AGRICULTURE: Baltic Exchange mulls mutual structure

PAUL SOLMAN

Financial Times, London Ed2 ED, P 40

Wednesday, October 13, 1999

DOCUMENT TYPE: Stories; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT SECTION HEADING: COMMODITIES & AGRICULTURE

Word Count: 395

...to be broad support for the mutualisation plan among both members and shareholders, though a **key** issue was the **level** of the final **payment**. A dividend of Pounds 51 a share was paid earlier this year.

The Baltic board...

16/3,K/69 (Item 3 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2004 Financial Times Ltd. All rts. reserv.

0010010489 BOJBPARAAHFT

FRONT PAGE - FIRST SECTION: Dobson proposes radical NHS salary overhaul:

Plan would reward doctors for successful treatment

NICHOLAS TIMMINS

Financial Times, London Edition 2 ED, P 1

Tuesday, February 16, 1999

DOCUMENT TYPE: Stories; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

Word Count: 374

...nurses and therapists, and one for other staff. The national framework will lay down minimum **pay** rates for **key types** of post, but health authorities and hospitals will have discretion over where each post is...

16/3,K/70 (Item 4 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0008563926 BOGJIACADCFT

Management: Rises in disguise: Andrew Bolger on the autumn pay round and prospects for next year

ANDREW BOLGER

Financial Times, P 19

Wednesday, October 9, 1996

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 1,036

...if inflation remains at between 2 per cent and 2.5 per cent, then that **level** will be a **key** reference point for **pay** planning over the coming 12 months. 'Most increases would be in the 2.5 per...

16/3,K/71 (Item 5 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0005561930 BOAGXBGAAFFT

Bundesbank joins chorus of concern on E German pay: Latest wage settlements threaten competitiveness and jobs, warns West Germany's central bank

ANDREW FISHER and DAVID GOODHART

Financial Times, P 2

Tuesday, July 24, 1990

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 534

...jobs; agriculture some 250,000, and thousands of administrative posts would disappear.

The Bundesbank said **pay levels** would play a **key** role in determining East German competitiveness and employment prospects. The link between average wages and...

16/3,K/72 (Item 6 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0005554400 BOAIDBSAADFT

Survey of Desktop Publishing (4): A battle rages between two competing systems - Rival type font technology

TIM CARRIGAN

Financial Times, P 34

Tuesday, September 4, 1990

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 1,235

...to varying degrees of success, able to process PostScript files, including those using hinted and **encrypted Type 1** fonts, without their

makers **paying** licensing fees to Adobe.

PostScript has also been limited on the quality of screen display...

16/3,K/73 (Item 7 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0005064389 B09GQAEAEJFT
How To Spend It: Binoculars in focus
LUCIA VAN DER POST
Financial Times, P XVII
Saturday, July 15, 1989
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 427

...just a matter of more to carry - it means more shake and effectively a poorer **image** .

'Finally, you should **compare** the general clarity of the **image** . **Compare** an expensive pair with a cheaper make of similar specification and the **difference** is obvious. In short, you get what you pay for.'

Thank you, Dr Charnley!

16/3,K/74 (Item 8 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0004540003 B08LAD5AEVFT
International Bonds: Credit National Straight Spices Up Quiet Trading
DOMINIQUE JACKSON
Financial Times, P 38
Thursday, December 1, 1988
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 558

TEXT:
...highlight in a subdued Eurobond market yesterday.

Some dealers cited Friday's US employment and **pay** roll data for November as a **key** factor behind low **levels** of activity, while others noted that a few houses were already beginning to wind down...

16/3,K/75 (Item 9 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2004 Financial Times Ltd. All rts. reserv.

0002513319 B0C BYCIADAFT
Bonn attacks 35-hour week
RUPERT CORNWELL
Financial Times, P 18
Monday, March 12, 1984
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 324

...Chancellor Kohl and the employers have produced no obvious result so

far.

Talks on new **pay** settlements at a regional **level** , especially in the **key** engineering sector, have failed to gain movement from either side - in public at least. At...

16/3,K/76 (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00387892 20001018292B4867 (USE FORMAT 7 FOR FULLTEXT)
Second Generation e-Payments to Revolutionize the World of e-Commerce, Says Ovum-Rise of Payment Service Providers and the Displacement of the Credit Card to Bolster \$126 Billion Market in 2005(1)
Business Wire
Wednesday, October 18, 2000 08:10 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 945

Ovum finds that there are five **key** **types** of e- **payment** method, including:

-- Metered **payments** - e-commerce transactions that appear as itemized entries
on a bill, along with, for example...

16/3,K/77 (Item 2 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00259130 20000418109B9191 (USE FORMAT 7 FOR FULLTEXT)
VeriFone Expands E-Payment Software Portfolio
Business Wire
Tuesday, April 18, 2000 11:19 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 778

...delivers fraud protection, around-the-clock availability, absolute data integrity and rigorous security. Multiple security **levels** incorporate the latest **cryptographic** techniques.
Available
now, **PayWorks** 3.0 is \$75,000 for a single merchant license and \$125,000 for a...

16/3,K/78 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2004 PR Newswire Association Inc. All rts. reserv.

00363215 20000628SFW087 (USE FORMAT 7 FOR FULLTEXT)
Fileflow Announces Second Round of Venture Funding
PR Newswire
Wednesday, June 28, 2000 07:15 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 792

...and convergence devices. FileFlow's FastSend and FastStore products incorporate the world's leading proprietary **image** compression technology, military- **grade** **encryption** technology and intuitive user interfaces, combined with state-of-the-art storage hardware and workstations...

16/3,K/79 (Item 2 from file: 613)

DIALOG(R)File 613:PR Newswire
(c) 2004 PR Newswire Association Inc. All rts. reserv.

00363214 20000628SFW086 (USE FORMAT 7 FOR FULLTEXT)
New Norwegian Company Enables Mission-Critical Digital Image Workflow for World's Largest Advertising Agencies of Image Files Across the Web Made Possible by FastSend and FastStore
PR Newswire
Wednesday, June 28, 2000 07:15 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 928

...and convergence devices. FileFlow's FastSend and FastStore products incorporate the world's leading proprietary **image** compression technology, military- **grade** **encryption** technology and intuitive user interfaces, combined with state-of-the-art storage hardware and workstations...

16/3,K/80 (Item 3 from file: 613)

DIALOG(R)File 613:PR Newswire
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00353813 20000614LAW047 (USE FORMAT 7 FOR FULLTEXT)
Elite.Com And Employmatters(SM) to Offer Timesolv(TM) Users Web-Based Employee Benefits And HR Administrative Services
PR Newswire
Wednesday, June 14, 2000 08:02 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 785

...experience these benefits by outsourcing additional business functions, like human resource administration.

"Timesolv provides a **key** level of functionality to our **payroll** administration services," said Elliot S. Cooperstone, CEO and co-founder of EmployeeMatters. "Elite.com's...

16/3,K/81 (Item 1 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

01128848

Advanced Radar, Aircraft Planned

Aviation Week & Space Technology December 4, 2000; Pg 33; Vol. 153, No. 23
Journal Code: AW ISSN: 0005-2175
Section Heading: WORLD NEWS & ANALYSIS
Dateline: WASHINGTON
Word Count: 805 *Full text available in Formats 5, 7 and 9*

BYLINE:
DAVID A. FULGHUM

TEXT:
... analytical aids use both magnitude and phase change to find particular targets.
New algorithms make **comparisons** of radar **images** taken at different times to record changes in reflected energy. The system, now ready for operational use, can spot **differences** as small as a single wavelength, which is sometimes less than an inch. Systems flying...

16/3,K/82 (Item 2 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0620666
SWEDISH CARABAS RADAR CONSIDERED FOR UAV
Aviation Week & Space Technology December 5, 1994; Pg 58; Vol. 141, No. 23
Journal Code: AW ISSN: 0005-2175
Section Heading: Avionics
Dateline: WASHINGTON
Word Count: 941 *Full text available in Formats 5, 7 and 9*

BYLINE:
BRUCE D. NORDWALL

TEXT:
... the returns from two flights. Objects that had moved would stand out when the two **images** were subtracted.

Comparing the phase **difference** between returns on two flights with an interferometer would be the most sensitive and would...

16/3,K/83 (Item 3 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0579973
WEICKER VETOS WASTE BILL BLOCKING NU FROM RENEGOTIATING POWER COSTS
Northeast Power Report June 10, 1994; Pg 12
Journal Code: NPR ISSN: 1049-1562
Section Heading: INDEPENDENT POWER
Word Count: 527 *Full text available in Formats 5, 7 and 9*

TEXT:
...reductions.

Therefore reducing payments to waste-to-energy plants, especially where clear questions arise about **payment levels**, has become a **key** goal. Currently CL&P buys 97.6 MW from four waste-to-energy projects in...

16/3,K/84 (Item 4 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0574684

DIGITAL IMAGERY STRAINS HARDWARE, ANALYSTS

Aviation Week & Space Technology June 6, 1994; Pg 42; Vol. 140, No. 23

Journal Code: AW ISSN: 0005-2175

Section Heading: Aviation Week Special Report

Dateline: WASHINGTON

Word Count: 1,467 *Full text available in Formats 5, 7 and 9*

BYLINE:

BRUCE D. NORDWALL

TEXT:

...real images.

Harris Corp. approaches the problem of image exploitation with a process called registration-- **comparing images** of an area taken at different times and identifying the **differences**. The company has developed a completely automatic process that increases speed while reducing errors, David...

16/3,K/85 (Item 5 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications
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0378201

USAF Considers Laser Radar System For Low-Cost Bomb Guidance Package

Aviation Week & Space Technology April 20, 1992; Pg 59; Vol. 136, No. 16

Journal Code: AW ISSN: 0005-2175

Section Heading: Military Electronics

Dateline: LOS ANGELES

Word Count: 698 *Full text available in Formats 5, 7 and 9*

BYLINE:

WILLIAM B. SCOTT

SPECIAL FEATURE:

Photograph: ATLAS laser radar imagery depicts range **differences** as varying pseudo-colors. Ladar resolution of wires and towers can be **compared** with a Flir **image** of the same scene.

16/3,K/86 (Item 6 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0314740

SOCAL ED'S PROCUREMENT DECISION MAY HAVE FAR-REACHING IMPLICATIONS

Inside FERCs Gas Market Report June 21, 1991; Pg 2

Journal Code: GMR ISSN: 8756-3711

Section Heading: Utilities

Word Count: 788 *Full text available in Formats 5, 7 and 9*

TEXT:

...level 2 gas.

What is SoCal Ed getting for the 12"/Dt premium it's **paying** for service **level 2** gas?

"The **key** word is reliability," said SoCal Ed's Hansen. "Service level 2 gives us the access..."

16/3,K/87 (Item 7 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0120028

Falcon Eye Flir, GEC Helmet Aid F-16 Mission Flexibility
Aviation Week & Space Technology April 17, 1989; Pg 35; Vol. 130, No. 16
Journal Code: AW ISSN: 0005-2175
Section Heading: Integrated Avionics For Close Air Support
Dateline: FT. WORTH, TEX.
Word Count: 4,363 *Full text available in Formats 5, 7 and 9*

BYLINE:
WILLIAM B. SCOTT

TEXT:
... runways, lights, flare height and attitudes looked very natural. This may be considered a minor **difference** when **compared** to the **image** presented by a pod-mounted Flir--which causes pilots to start a flare too high...

16/3,K/88 (Item 8 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0001312

Vought Developing Weapon Directed by Laser Radar Sensors
Aviation Week & Space Technology February 25, 1985; Pg 125; Vol. 122, No. 8
Journal Code: AW ISSN: 0005-2175
Dateline: Dallas
Word Count: 792 *Full text available in Formats 5, 7 and 9*

BYLINE:
Alton K. Marsh

TEXT:
...intelligence--to evaluate data from laser radar sensors to find targets, form a three-dimensional **image** for **comparison** with enemy targets in its computer, determine the rate of movement and attack.

"Potentially it could tell the **difference** between a U. S. and Soviet tank," W. Kelly Cunningham, engineering project manager for the...

16/3,K/89 (Item 1 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

09184161

DOW CLOSES IN ON 7,800

San Jose Mercury News (SJ) - Thursday, July 3, 1997
By: Associated Press
Edition: Morning Final Section: Business Page: 5C
Word Count: 311

... the Fed holding to the sidelines, the next big consideration is today's report on **payroll** and wage **levels** , a **key** force behind inflation.

Advancing issues outnumbered decliners by nearly a 2-to-1 margin on...

16/3,K/90 (Item 2 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

09066151

STOCKS, BOND MARKET DROP

San Jose Mercury News (SJ) - Friday, March 7, 1997
By: Associated Press
Edition: Morning Final Section: Business Page: 4C
Word Count: 324

... Federal Reserve Chairman Alan Greenspan gave way to jitters about this morning's reading on **payroll** and wage **levels** , a **key** force behind production costs and inflation.

Heightening anxieties in advance of that report was Thursday...

16/3,K/91 (Item 3 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

05583106

PROGRAMMING IN, FINE ART OUT -- BRAVE NEW WORLD OF THE 'INTERACTIVE'

SAN JOSE MERCURY NEWS (SJ) - Friday, March 23, 1990
By: RORY J. O'CONNOR, Mercury News Computing Editor
Edition: Morning Final Section: Weekend Page: 1D
Word Count: 811

... of the day, the camera observes the gallery, converting what it sees to a digital **image** that is **compared** , dot by dot, to the morning's image. When the computer detects a **difference** in the image, as when a visitor is standing in camera range, it puts the...

16/3,K/92 (Item 4 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2004 San Jose Mercury News. All rts. reserv.

04539566

VMC NURSES THREATEN TO STRIKE

SAN JOSE MERCURY NEWS (SJ) - Tuesday, May 17, 1988
By: BRANDON BAILEY, Mercury News Staff Writer
Edition: South County Section: Local Page: 1B
Word Count: 265

...on nurses' salaries wasn't immediately available Monday.

Although the two sides are disagreeing over **pay** , Grause said the

nurses believe the **key** issue is staffing **levels** and the county's inability to keep nurses from leaving for jobs at private hospitals...

16/3,K/93 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0842400 BW1055

SIEMENS 2: Siemens to Sample Fingertip Sensor Chip by End of Q3

April 28, 1998

Byline: Business Editors and Computer Writers

...to simplify registration of fingerprints.
In about one-half of a second, its evaluation algorithm **extracts** the specific characteristics of the user's fingertip and then **compares** the sensor **image** obtained with the stored image. The evaluation and authorization takes place within the sensor chip...

16/3,K/94 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0714805 BW1036

SELF HELP PUBLISHING: "Mr. Mom" offers tips for the 56-60 million American households in credit card debt

June 18, 1997

Byline: Features & Lifestyles Editors

...the lower "minimum payment" requested by the credit card statement. People have the ability to **pay** off the debt 80% faster using the "**level**" technique.

"The **key** to eliminating credit card debt is not necessarily in increasing the minimum monthly payment, it...

16/3,K/95 (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0711650 BW1041

BLUESTONE: Time Inc. uses Sapphire/Web to make its photo archive available over Internet

June 10, 1997

Byline: Business Editors/Computers and Electronics Writers

...greatly frees our internal research department resources to concentrate on other work."
To access the **images**, users will simply **type** in some **key** words describing a subject area. Advanced users can construct a more

sophisticated search using boolean...

16/3,K/96 (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0690585 BW1002

QMS 3: QMS and FileNet Team Up to Deliver Integrated, On-Demand Document Printing Products

April 14, 1997

Byline: Business Editors/Computer Writers

Highlights
-- FileNet qualification planned for QMS ImageServer Print Systems.
-- High performance PostScript **Level 2** fax **decode** **image** processing for at/or near rated engine speeds.
-- High duty cycle (up to 300,000...

...process bi-level CCITT Group 3 and Group 4 compressed TIFF, CALS , raster and PostScript **Level 2** fax **encoded image** files. It is planned that this high-speed interface will offer FileNet customers the ability...

16/3,K/97 (Item 5 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0654918 BW0162

VIRAGE: Virage Inks Licensing Deals for Visual Information Retrieval Technology with Three Multimedia Companies; Pioneer in Visual Search and Retrieval Continues to Set the Standard for Solutions Combining Images and Databases

December 16, 1996

Byline: Business Editors & Computer Writers

...content and find images that look similar. The Virage VIR Image Engine analyzes an image, **extracts** its visual features, and **compares** it with other **images** to quantify similarity. The VIR Image Engine actually "looks" at the image and understands its...

16/3,K/98 (Item 6 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0622199 BW0074

VIRAGE EASTMAN KODAK: Kodak Endorses Image Search and Retrieval Technology from Virage; Market-Leading Visual Information Retrieval Technology to be Integrated into Future FlashPix-based Products from Kodak

September 11, 1996

Byline: Business Editors/Computer Writers

...content and find images that look similar. The Virage VIR Image Engine analyzes an image, **extracts** its visual features, and **compares** it with other **images** to quantify similarity.

The VIR Image Engine actually "looks" at the image and understands its...

16/3,K/99 (Item 7 from file: 810)
DIALOG(R)File 810:Business Wire
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0618032 BW0097

PRINTRAK: Printrak opens software technology to industry in urging fingerprint system compatibility; interagency searches, PC front-end searches facilitated by unprecedented offer of image processing algorithms

August 27, 1996

Byline: Business Editors, High-Tech and Legal Writers

...of remote live-scan (inkless) terminals. In many instances, these devices do not provide minutiae **extraction** software but rather **compare images** on a one-to-one basis.

The development of front-end fingerprint capture devices is...

16/3,K/100 (Item 8 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0606606 BW0029

PRINTRAK INTERN INC: Printrak announces EXPERTMatching AFIS Technology; new fingerprint matching technology boosts accuracy by emulating proven professional techniques

July 23, 1996

Byline: Business Editors and High/Tech Writers

...full images to make a final "identification" using established techniques of fingerprint science.

Rather than **comparing** full **images**, which would slow the system significantly, the new Printrak algorithms draw on mathematical representations of hundreds of additional **extracted** features, such as ridge direction and ridge connectivity, to boost the system's accuracy significantly...

16/3,K/101 (Item 9 from file: 810)
DIALOG(R)File 810:Business Wire

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0602354 BW0164

WELLS FARGO: Consumers Can Pay Bills, Send Money Via Wells Fargo's Internet Site

July 10, 1996

Byline: Business/Assignment Editors & Computer/Multimedia Writers

...for Wells Fargo checking, savings and credit card accounts online.

Wells Fargo's Internet bill **payment** service requires a browser with domestic- **grade encryption** , the highest **level** of security available. Since many Internet users do not have software with domestic grade security...

16/3,K/102 (Item 10 from file: 810)

DIALOG(R)File 810:Business Wire

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0450629 BW1015

FUTURE PIRATES KODAK: Future Pirates purchases Japan's first Cineon digital film workstation

December 13, 1994

Byline: Business Editors & Computer Writers

...image files for output to feature film, NTSC/PAL video, HDTV and CD-ROM quality **levels** .

Other **key** features includes an **image** stabilization tool for eliminating unsteadiness; a motion tracking tool for automating the process of following...

16/3,K/103 (Item 11 from file: 810)

DIALOG(R)File 810:Business Wire

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0441471 BW1307

ZENITH MACROVISION: Zenith to add Macrovision anticopy system into its digital 'Media Access' set-top boxes

November 01, 1994

Byline: Business Editors

...Zenith's system-level software allows network operators to select copy protection on an individual **pay** -per-view program and set-top **decoder** basis. This **type** of control is crucial for the PPV market," Krepick said.

The Macrovision circuitry inside the...

16/3,K/104 (Item 12 from file: 810)

DIALOG(R)File 810:Business Wire
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0375025 BW742

OKIDATA FAX ENVIRONMNT: Okidata introduces three plain paper facsimile machines expanding its Okifax plain paper product line to meet the needs of users in any work environment

December 15, 1993

Byline: Business Editors & Electronics and Environment Writers

...a faster print speed, paper and memory expansion options that increase productivity and cost savings. **Key** features include: 32- level

gray scale and **image** smoothing; 30-page automatic document feeder; 100-sheet letter-size paper cassette standard and optional...

16/3,K/105 (Item 13 from file: 810)

DIALOG(R)File 810:Business Wire
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0342153 BW265

MICROGRAFX: Micrografx ships Picture Publisher 4.0; new version focuses on speed and ease-of-use in Windows-based image editing

June 28, 1993

Byline: Business Editors

...4.0 will deliver new functionality that has not been available before in a professional- **level image** editor. **Key** new features include Object Layers and FastBits.

"In a very competitive segment, Picture Publisher 4...

16/3,K/106 (Item 14 from file: 810)

DIALOG(R)File 810:Business Wire
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0131314 BW112

DOCUMENT TECHNOLOGIES: Document Technologies launches ImageServer

May 30, 1989

Byline: Business Editors/Computer Writers

...traditional text, numeric and graphic data. Document image records are much larger than traditional data **types** , and are not **encoded** , consequently document **image** processing demands an architecture with raw data manipulation bandwidth, rather than computational bandwidth.

DTI has...

16/3,K/107 (Item 1 from file: 813)

DIALOG(R)File 813:PR Newswire

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1414918

NYTU074

DCR Report Details Approach for Rating Unsecured Consumer Receivable Transactions in Japan

DATE: February 2, 1999

11:42 EST

WORD COUNT: 329

...cash flows generated from the pool of underlying consumer loans by using a conservative stress **level** on the **key** cash flow parameters like charge-off rate, **payment** rate and yield. The qualitative analysis focuses on a review of the transaction structure and...

16/3,K/108 (Item 2 from file: 813)

DIALOG(R)File 813:PR Newswire

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1168598

NYW175

Scantek Medical, Inc., Developer of Breast Abnormality Screening Device Reports Fiscal Year End Results

DATE: October 15, 1997

20:45 EDT

WORD COUNT: 608

... inside the brassiere for a period of 15 minutes. The results permit the measurement and **comparison** of three mirror **image** sections of each breast. As cancer cells multiply, they generate excess heat. A 2-degree temperature **difference** will alert the physician to thermal (metabolic) activity within the breasts, indicating the possibility of...

16/3,K/109 (Item 3 from file: 813)

DIALOG(R)File 813:PR Newswire

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1159246

CLM006

CompuServe Launches Computing Shop on the Web

DATE: September 29, 1997

09:17 EDT

WORD COUNT: 693

... among the large selection of products. Ordering is secured by Netscape SSL 2.0 hard **encryption**, providing a high **level** of security to safeguard online transactions. **Payment** can also be made by phone, fax or mail. An extensive customer support system, available...

16/3,K/110 (Item 4 from file: 813)

DIALOG(R)File 813:PR Newswire

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1133022

SFW031

Novell Improves Decision-making, Responsiveness and Competitiveness for Networked Enterprises

DATE: July 30, 1997

13:03 EDT

WORD COUNT: 1,357

... integration with NDS provides the necessary security information, such as user IDs, public and private **keys**, approval **levels** and signature

images , in a central enterprise-wide storage area. Security is installed as a 32-bit snap...

16/3,K/111 (Item 5 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1121424 NYM114
Federal Government Adopting Face Recognition; Visionics Corporation Awarded Contracts by 4 Agencies

DATE: July 7, 1997 18:07 EDT WORD COUNT: 1,000

...tape of persons using the SENTRI dedicated lane at the Otay Mesa port of entry, **extracted** the faces from those video clips, and **compared** them to still **images** of the persons captured at the time of enrollment in SENTRI. That test demonstrated that...

16/3,K/112 (Item 6 from file: 813)
DIALOG(R)File 813:PR Newswire
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1066196 LAM050
ZipLock 2.0 Released Portland Software Unveils Premier Electronic Software Distribution System

DATE: March 10, 1997 07:46 EST WORD COUNT: 1,398

... strong cryptography, provides maximum protection of the merchant's products and the end-user's **payment** information. Commercial- **grade encryption** technology licensed from RSA, and a complete end-to-end key management and transaction system...

16/3,K/113 (Item 7 from file: 813)
DIALOG(R)File 813:PR Newswire
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1017518 NYTU027
Oracle, Virage Team to Deliver First Data Cartridge for Visual Retrieval of Images

DATE: November 5, 1996 08:01 EST WORD COUNT: 608

...to-integrate product called the VIR Image Engine. The VIR Image Engine analyzes an image, **extracts** its visual features, and **compares** it with other **images** to quantify similarity. This approach represents a significant leap forward in the way databases of...

16/3,K/114 (Item 8 from file: 813)
DIALOG(R)File 813:PR Newswire
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0561926 DC026
HDTV REPORT PUBLISHES EXCLUSIVE HDTV PROPONENT VIDEO QUALITY RESULTS

DATE: February 3, 1993 16:34 EST WORD COUNT: 313

...The charts -- from an FCC working party draft report on advanced television -- carry viewer scores **comparing** the **differences** between **images** rendered by each proponent system and studio source material. A special panel of the Advisory...

16/3,K/115 (Item 9 from file: 813)
DIALOG(R)File 813:PR Newswire
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0341325 PHFNS1
RIGHT ASSOCIATES' SURVEY DEFINES MOST POPULAR KEY EXECUTIVE SEVERANCE PACKAGE

DATE: February 4, 1991 07:47 EST WORD COUNT: 350

...to executives were:

- 25 percent of those surveyed stated that individual employment agreements determine severance **pay** at the **key** executive **level** ;
- 30 percent set no limit on the maximum amount of severance paid;
- 92 percent said...

| Set | Items | Description |
|-----|---------|---|
| S1 | 337828 | HASH? OR ENCRYPT? OR ENCRYPT? OR CRYPTO? OR CRIPTO? OR KEY? ? OR ENCIPHER? OR DECOD? OR ENCOD? OR DECRYPT? |
| S2 | 1260265 | LEVEL? ? OR TYPE? ? OR GRADE? ? |
| S3 | 66879 | PAY? |
| S4 | 463840 | IMAGE? ? OR INDICIA OR INDICIUM |
| S5 | 783169 | COMPAR? |
| S6 | 638289 | EXTRACT? OR DIFFERENCE? |
| S7 | 22474 | S1(2N)S2 |
| S8 | 476 | S7(5N) (S3 OR S4) |
| S9 | 20590 | S4(3N)S5 |
| S10 | 743 | S9(5N)S6 |
| S11 | 1205 | S8 OR S10 |
| S12 | 54 | S11 AND IC=(H04K? OR H04L?) |
| S13 | 20 | S11 AND IC=(H04K-001? OR H04L-009?) |

? show file

File 348:EUROPEAN PATENTS 1978-2004/Sep W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040902,UT=20040826

(c) 2004 WIPO/Univentio

13/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01516132

Method and apparatus for symmetric encryption/decryption of recorded data
Verfahren und Vorrichtung zur symmetrischen Verschlüsselung/Entschlüsselung
von aufgezeichneten Daten

Methode et dispositif de cryptage/decryptage symétrique de données
enregistrees

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1267515 A2 021218 (Basic)
EP 1267515 A3 040407

APPLICATION (CC, No, Date): EP 2002078475 010119;

PRIORITY (CC, No, Date): JP 200013322 000121; JP 200015551 000125; JP
200015858 000125; JP 200016029 000125; JP 200016213 000125; JP
200016251 000125; JP 200016292 000125

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

RELATED PARENT NUMBER(S) - PN (AN):

EP 1195734 (EP 2001901463)

INTERNATIONAL PATENT CLASS: H04L-009/06 ; H04L-009/32 ; G11B-020/00

ABSTRACT WORD COUNT: 140

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200251 | 6596 |
| SPEC A | (English) | 200251 | 73431 |
| Total word count - document A | | | 80027 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 80027 |

INTERNATIONAL PATENT CLASS: H04L-009/06 ...

... H04L-009/32

...SPECIFICATION Background Art

DESCRIPTION OF THE RELATED ART

Various data such as game programs, sound data, **image** data, or documenting programs (these are hereafter referred to as "contents") are now distributed via...

13/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01324690

Network address translation gateway

Netzübergangseinrichtung zur Netzadressenumsetzung

Passerelle avec conversion des adresses de reseau

PATENT ASSIGNEE:

Nexland, Inc., (3270310), 20801 Biscayne Boulevard, Suite 403, Miami, Florida 33180, (US), (Applicant designated States: all)

INVENTOR:

Sultan, Israel Daniel, 9, rue Caillaux, 75013 Paris, (FR)

LEGAL REPRESENTATIVE:

de Roquemaurel, Bruno et al (83261), Novagraaf Technologies 122, rue Edouard Vaillant, 92593 Levallois Perret Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 1130846 A2 010905 (Basic)

EP 1130846 A3 030924

APPLICATION (CC, No, Date): EP 2001400559 010302;

PRIORITY (CC, No, Date): US 518399 000303

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-012/22; **H04L-009/00** ; H04L-029/06;

H04L-029/12

ABSTRACT WORD COUNT: 114

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200136 | 2070 |
| SPEC A | (English) | 200136 | 7732 |
| Total word count - document A | | | 9802 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 9802 |

...INTERNATIONAL PATENT CLASS: **H04L-009/00**

...SPECIFICATION destination IP address and port address, and the datagram's Security Parameter Index (SPI) for **encrypted** datagrams of **type** 50, using ESP (Encapsulated Security **Payload**) protocol.

Row 1 of Figure 6 shows a UDP datagram arriving at the local interface

...

13/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01275063

KEY MANAGEMENT METHODS FOR SECURE COMMUNICATION SYSTEMS

**VERFAHREN ZUR SCHLUSSELVERWALTUNG FUR SICHERE KOMMUNIKATIONSSYSTEME
PROCEDES DE GESTION CLES POUR DES SYSTEMES DE COMMUNICATION SECURISES**

PATENT ASSIGNEE:

MOTOROLA, INC., (205770), 1303 East Algonquin Road, Schaumburg, IL 60196,
(US), (Proprietor designated states: all)

INVENTOR:

ANDERSON, Walter, F., C., 2111 Aspen Drive, Algonquin, IL 60102, (US)
KNAPCZYK, Stanley, 8044 South Deer Path, Justice, IL 60458, (US)
MURRILL, Larry, Unit 203 1813 Georgia Court, Schaumburg, IL 60193, (US)
GONSALVES, Mark, 209 North Street, Mazon, IL 60444, (US)
FORMAN, Patrick, F., 1367 North Mill Court, Palatine, IL 60067, (US)

LEGAL REPRESENTATIVE:

McCormack, Derek James et al (48155), Motorola European Intellectual
Property Operations Midpoint Alencon Link, Basingstoke Hampshire RG21
7PL, (GB)

PATENT (CC, No, Kind, Date): EP 1214811 A1 020619 (Basic)
EP 1214811 B1 040818
WO 2001017160 010308

APPLICATION (CC, No, Date): EP 2000961371 000825; WO 2000US23397 000825

PRIORITY (CC, No, Date): US 387546 990831; US 587845 000606

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-009/08

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | 200434 | 449 |
| CLAIMS B | (German) | 200434 | 350 |
| CLAIMS B | (French) | 200434 | 538 |
| SPEC B | (English) | 200434 | 7436 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 8773 |
| Total word count - documents A + B | | | 8773 |

INTERNATIONAL PATENT CLASS: H04L-009/08

...SPECIFICATION ones of the target encryption devices.

In a preferred embodiment, the record further includes some **indicia**
of the security **level** with which **key** management messages are to be
delivered from the KVL to the target devices. At step...

13/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01245880

Encrypting communication system and encrypting communication method

Verschlüsselungskommunikationssystem und -Verfahren

Dispositif et procede de communication chiffrée

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),
(Applicant designated States: all)

INVENTOR:

Hiratsuka, Seichi, NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo,
(JP)

LEGAL REPRESENTATIVE:

Betten & Resch (101031), Postfach 10 02 51, 80076 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1077555 A2 010221 (Basic)
EP 1077555 A3 020619

APPLICATION (CC, No, Date): EP 2000117744 000817;
PRIORITY (CC, No, Date): JP 99232010 990818
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04L-009/32 ; H04L-009/08
ABSTRACT WORD COUNT: 137

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200108 | 702 |
| SPEC A | (English) | 200108 | 3100 |
| Total word count - document A | | | 3802 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 3802 |

INTERNATIONAL PATENT CLASS: H04L-009/32 ...

... H04L-009/08

...SPECIFICATION a characteristic extraction means that is provided in a transmitter data processing apparatus and that **extracts** examined characteristics from this fingerprint **image** ; a first **comparison** means of the transmitter that compares these examined characteristics to initially registered characteristics that are...

...CLAIMS a characteristic extracting means that is provided in a transmitter data processing apparatus and that **extracts** examined characteristics from said fingerprint **image** ;
a first **comparison** means of the transmitter that compares said examined characteristics to initially registered characteristics that are...

13/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01206549

RECORDING DEVICE, RECORDING METHOD, REPRODUCING DEVICE AND REPRODUCING METHOD

VORRICHTUNG UND VERFAHREN ZUR AUFZEICHNUNG UND WIEDERGABE

DISPOSITIF D'ENREGISTREMENT, PROCEDE D'ENREGISTREMENT, DISPOSITIF DE REPRODUCTION ET PROCEDE DE REPRODUCTION

PATENT ASSIGNEE:

Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP), (Applicant designated States: all)

INVENTOR:

KIHARA, Nobuyuki, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP)

YOKOTA, Teppei, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP)

OKAUE, Takumi, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP)

LEGAL REPRESENTATIVE:

Pilch, Adam John Michael (50481), D. YOUNG & CO., 21 New Fetter Lane,
London EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 1079372 A1 010228 (Basic)
WO 0052684 000908
APPLICATION (CC, No, Date): EP 906664 000303; WO 00JP1272 000303
PRIORITY (CC, No, Date): JP 9955860 990303; JP 9996282 990402; JP 99178188
990624; JP 99191536 990706; JP 99347474 991207
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G10L-019/00; H04L-009/08 ; G11C-016/02;
G06F-012/00; G06F-012/14; G11B-020/10; G10L-101:06
ABSTRACT WORD COUNT: 116
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200109 | 1087 |
| SPEC A | (English) | 200109 | 13584 |
| Total word count - document A | | | 14671 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 14671 |

...INTERNATIONAL PATENT CLASS: H04L-009/08

...SPECIFICATION for use with the recorder/player that records copyright
protected data is limited to the **encryption type** .

Voice data and **image** data that are recorded by users are recorded on
non-encryption type memory cards.

Fig...

13/3,K/6 (Item 6 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00824543

Multiple size cryptographic key system

Einrichtung mit kryptographischen Schlüsseln mehrfacher Länge

Systeme a cle cryptographique ayant des dimensions multiples

PATENT ASSIGNEE:

VLSI TECHNOLOGY, INC., (946620), 1109 McKay Drive, San Jose California
95131, (US), (Proprietor designated states: all)

INVENTOR:

Takahashi, Richard, 14033 S. 35th Place, Phoenix, Arizona 85044, (US)

Shea, Neil, 15258 S. 30th Place, Phoenix, Arizona 85048, (US)

LEGAL REPRESENTATIVE:

van der Veer, Johannes Leendert et al (78071), Philips Intellectual

Property & Standards P.O. Box 220, 5600 AE Eindhoven, (NL)

PATENT (CC, No, Kind, Date): EP 766424 A2 970402 (Basic)

EP 766424 A3 980513

EP 766424 B1 031203

APPLICATION (CC, No, Date): EP 96306395 960904;

PRIORITY (CC, No, Date): US 536835 950929

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04L-009/00

ABSTRACT WORD COUNT: 3369

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | EPAB97 | 897 |
| CLAIMS B | (English) | 200349 | 497 |
| CLAIMS B | (German) | 200349 | 451 |
| CLAIMS B | (French) | 200349 | 583 |
| SPEC A | (English) | EPAB97 | 2462 |
| SPEC B | (English) | 200349 | 2548 |
| Total word count - document A | | | 3360 |
| Total word count - document B | | | 4079 |
| Total word count - documents A + B | | | 7439 |

INTERNATIONAL PATENT CLASS: **H04L-009/00**

...SPECIFICATION cable servers send out games, video and software to customers encrypted by the larger (high **grade**) " **Y** " **key** through the encryption circuit 18. The cable operator considers this information to be privy only to...

13/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00368219

Secure management of keys using control vectors
Sichere Schlüsselerwaltung mittels Steuervektoren
Gestion de cles securisee utilisant des vecteurs de commande

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT;NL)

INVENTOR:

Matyas, Stephen M., 10298 Cedar Ridge Drive, Manassas, VA 22110, (US)
Abraham, Dennis G., 5795 Gettysburg Drive, Concord North Carolina, (US)
Johnson, Donald B., 9430 Brentsville Road, Manassas, VA 22111, (US)
Karne, Ramesh K., 13613 Copper Ridge Drive, Herndon, VA 22071, (US)
Le, An V., 4217 South Columbus Street, Arlington, VA 22204, (US)
Prymak, Rostislaw, 15900 Fairway Drive, Dumfries Virginia, (US)
Thomas, Julian, RD No. 3, Rombout Road, Poughkeepsie, NY 12603, (US)
Wilkins, John D., P.O. Box 8, Somerville, VA 22739, (US)
Yeh, Phil C., 88 Round Hill Road, Poughkeepsie, NY 12603, (US)
Smith, Ronald M., 15 Cider Mill Loop, Wappingers Falls, NY 12590, (US)
White, Steve R., 7 Park Avenue No. 33, New York, NY, (US)
Arnold, William C., RD No. 2, Woodland Road, Mahopac, NY 10541, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 356065 A2 900228 (Basic)
EP 356065 A3 920812
EP 356065 B1 960320

APPLICATION (CC, No, Date): EP 89308068 890809;

PRIORITY (CC, No, Date): US 231114 880811; US 238010 880829; US 237938 880826; US 233515 880818

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: **H04L-009/08**

ABSTRACT WORD COUNT: 291

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|----------|--------|------------|
|----------------|----------|--------|------------|

| | | | |
|------------------------------------|-----------|--------|--------|
| CLAIMS A | (English) | EPABF1 | 4267 |
| CLAIMS B | (English) | EPAB96 | 1974 |
| CLAIMS B | (German) | EPAB96 | 1702 |
| CLAIMS B | (French) | EPAB96 | 2377 |
| SPEC A | (English) | EPABF1 | 51474 |
| SPEC B | (English) | EPAB96 | 50809 |
| Total word count - document A | | | 55746 |
| Total word count - document B | | | 56862 |
| Total word count - documents A + B | | | 112608 |

INTERNATIONAL PATENT CLASS: H04L-009/08

...SPECIFICATION must be a mode supported or allowed by L. (see image in original document) (see **image** in original document)

NOTE: A **key** of **type** /subtype = data/comp (i.e., a compatibility mode data key can be communicated on a...

13/3,K/8 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01143706 **Image available**

INFORMATION PROCESSING METHOD, APPARATUS, AND INFORMATION PROCESSING PROGRAM

PROCEDE DE TRAITEMENT DE DONNEES, APPAREIL, ET PROGRAMME DE TRAITEMENT DE DONNEES

Patent Applicant/Assignee:

CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 1468501, JP,
JP (Residence), JP (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

HAYASHI Junichi, c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko,
Ohta-ku, Tokyo 1468501, JP, JP (Residence), JP (Nationality),
(Designated only for: US)

SUGA Yuji, c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku,
Tokyo 1468501, JP, JP (Residence), JP (Nationality), (Designated only
for: US)

Legal Representative:

OHTSUKA Yasunori (agent), 7th FL., SHUWA KIOICHO PARK BLDG., 3-6,
KIOICHO, CHIYODA-KU, Tokyo 1020094, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200466552 A1 20040805 (WO 0466552)

Application: WO 2004JP619 20040123 (PCT/WO JP04000619)

Priority Application: JP 200315233 20030123

Parent Application/Grant:

Related by Addition to: BF Not furnished (POA); BJ Not furnished (POA);
CF Not furnished (POA); CG Not furnished (POA); CI Not furnished (POA);
CM Not furnished (POA); GA Not furnished (POA); GN Not furnished (POA);
GQ Not furnished (POA); GW Not furnished (POA); ML Not furnished (POA);
MR Not furnished (POA); NE Not furnished (POA); SN Not furnished (POA);
TD Not furnished (POA); TG Not furnished (POA)

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF (patent) BJ (patent) CF (patent) CG (patent) CI (patent) CM
(patent) GA (patent) GN (patent) GQ (patent) GW (patent) ML (patent) MR
(patent) NE (patent) SN (patent) TD (patent) TG (patent)
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8210

Main International Patent Class: **H04L-009/36**
Fulltext Availability:
Detailed Description

Detailed Description

... the original image, is
restored. When bitstreams are further read and all
- 18
subbands of **level 2** are **decoded** (decompressed) and
displayed, an **image**, the numbers of pixels of which are
reduced to 1/2 in the horizontal and vertical
directions, is restored. Also, when all subbands of
level 1 are **decoded** (decompressed), an **image** having the
same number of pixels as that of the original image is
restored.

In...

13/3,K/9 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01133341 **Image available**

KEY SYNCHRONIZATION IN A VISUAL CRYPTOGRAPHIC SYSTEM
SYNCHRONISATION DE CLE DANS UN SYSTEME CRYPTOGRAPHIQUE VISUEL

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated
states except: US)

Patent Applicant/Inventor:

TUYLS Pim T, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL, BE
(Residence), BE (Nationality), (Designated only for: US)
VAN DIJK Marten E, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL, US
(Residence), NL (Nationality), (Designated only for: US)

Legal Representative:

GROENENDAAL Antonius W M (agent), Philips Intellectual Property &
Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200455757 A1 20040701 (WO 0455757)
Application: WO 2003IB5236 20031117 (PCT/WO IB03005236)
Priority Application: EP 200280388 20021218

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4151

International Patent Class: H04L-009/12 ...
Fulltext Availability:
Detailed Description

Detailed Description

... individually encrypted images are to be viewed, it has been proposed to use a decoding (**decryption**) device. Two **types** of **image decrypting** devices can be distinguished.

transparent and non-transparent devices.

Transparent decrypting devices essentially mimic the...

13/3,K/10 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01128566 **Image available**

KEY SYNCHRONIZATION IN AN IMAGE CRYPTOGRAPHIC SYSTEMS

SYNCHRONISATION DE CLES DANS UN SYSTEME CRYPTOGRAPHIQUE D'IMAGES

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SCHRIJEN Geert J, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL, NL
(Residence), NL (Nationality), (Designated only for: US)
TUYLS Pim T, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL, NL
(Residence), BE (Nationality), (Designated only for: US)

Legal Representative:

GROENENDAAL Antonius W M (agent), Philips Intellectual Property &
Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200451442 A1 20040617 (WO 0451442)
Application: WO 20031B4874 20031031 (PCT/WO IB03004874)
Priority Application: EP 200279994 20021129

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 4234

International Patent Class: H04L-009/12 ...
Fulltext Availability:

Detailed Description

Detailed Description

... individually encrypted images are to be viewed, it has been proposed to use a decrypting (**decryption**) device. Two **types** of **image decrypting** devices can be distinguished.

transparent and non-transparent devices.

Transparent decrypting devices essentially mimic the...

...touch screen may be used in the case of a transparent decryptor.

Irrespective of the **type** of **decryptor** , the correctly decrypted **image** may identify a key on a keyboard of the terminal, thus providing the user indication...

13/3,K/11 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01115012

COMPRESSION OF SECURE CONTENT

COMPRESSION DE CONTENU SECURISE

Patent Applicant/Assignee:

INGRIAN NETWORKS INC, 475 Broadway Street, Redwood City, CA 94063, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

METZGER Brian, 1354 Kimberly Drive, San Jose, CA 95018, US, US
(Residence), US (Nationality), (Designated only for: US)

GOPALAKRISHNAN Venkitachalam, 37300 Trellis Terrace, Fremont, CA 94536,
US, US (Residence), IN (Nationality), (Designated only for: US)

FRINDELL Alan, 575 Fairmont Avenue, Mountain View, CA 94041, US, US
(Residence), US (Nationality), (Designated only for: US)

FOUNTAIN Thomas, 123 Positano Circle, Redwood City, CA 94065, US, US
(Residence), US (Nationality), (Designated only for: US)

BERI Sanjay, 562 Kendall Avenue, Palo Alto, CA 94306, US, US (Residence),
CA (Nationality), (Designated only for: US)

Legal Representative:

TAN Carina (agent), Perkins Coie LLP, 101 Jefferson Drive, Menlo Park, CA
94025, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200436362 A2-A3 20040429 (WO 0436362)

Application: WO 2003US32598 20031015 (PCT/WO US03032598)

Priority Application: US 2002418844 20021015

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4676

Main International Patent Class: H04L-009/00

Fulltext Availability:

Detailed Description

Detailed Description

... factor. Each image can be decoded, and a reduction algorithm can be applied. Next, the **image** can be re- **encoded** . The **type** of **image** reduction algorithm may vary from implementation to implementation. Since there is no HTTP header indicating...

13/3,K/12 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01081227 **Image available**

INFORMATION PROCESSING METHOD, INFORMATION PROCESSING APPARATUS, PROGRAM,
AND STORAGE MEDIUM

PROCEDE DE TRAITEMENT D'INFORMATIONS, DISPOSITIF DE TRAITEMENT
D'INFORMATIONS, PROGRAMME ET SUPPORT DE STOCKAGE

Patent Applicant/Assignee:

CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501, JP,
JP (Residence), JP (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

HAYASHI Junichi, c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko,
Ohta-ku, Tokyo 146-8501, JP, JP (Residence), JP (Nationality),
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Legal Representative:

OHTSUKA Yasunori (agent), 7th FL., SHUWA KIOICHO PARK BLDG., 3-6,
KIOICHO, CHIYODA-KU, Tokyo 102-0094, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200404198 A1 20040108 (WO 0404198)

Application: WO 2003JP7976 20030624 (PCT/WO JP2003007976)

Priority Application: JP 2002191284 20020628

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12208

Main International Patent Class: H04L-009/16

International Patent Class: H04L-009/08 ...

Fulltext Availability:

Detailed Description

English Abstract

...bitstream of each tile in a code sequence is segmented into bitstreams
for respective resolution **levels** (S70). **Image key** K I is generated
(S71). Bitstream key K BS is generated from image key K...

Detailed Description

... to
the entire tile, is restored. When bitstreams are further
read and all subbands of **level 2** are **decoded** and displayed,
an **image**, the numbers of pixels of which are reduced to 1/2,
is restored. Also, when all subbands of **level 1** are **decoded**,
an **image** having the same number of pixels as that of the
entire tile is restored.

Note...

13/3,K/13 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01017104 **Image available**

AN ENCRYPTION SYSTEM

SYSTEME DE CRYPTAGE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200347160 A1 20030605 (WO 0347160)

Application: WO 2002AU1592 20021129 (PCT/WO AU0201592)

Priority Application: AU 20019246 20011130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18208

Main International Patent Class: **H04L-009/14**

International Patent Class: **H04L-009/08 ...**

... **H04L-009/30 ...**

... **H04L-009/32**

Fulltext Availability:

Detailed Description

Detailed Description

... biometric data from the scanned image. This is generally achieved by

applying a one-way **hash type** finiction to the scanned **image** , to generate a unique representation of the scanned body portion.

However, any system that can...

13/3,K/14 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00906144

CONTENT AUTHENTICATION AND RECOVERY USING DIGITAL WATERMARKS

AUTHENTIFICATION ET RECUPERATION DE CONTENU A L'AIDE DE FILIGRANES
NUMERIQUES

Patent Applicant/Assignee:

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, US, US (Residence), US (Nationality), (For all designated states
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Patent Applicant/Inventor:

TIAN Jun, Apt. B208, 6455 SW Nyberg Lane, Tualatin, OR 97062, US, US
(Residence), CN (Nationality), (Designated only for: US)

Legal Representative:

MEYER Joel R (agent), Digimarc Corporation, Suite 100, 19801 SW 72nd
Avenue, Tualatin, OR 97062, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200239714 A2-A3 20020516 (WO 0239714)

Application: WO 2001US32517 20011017 (PCT/WO US0132517)

Priority Application: US 2000247389 20001108; US 2001260907 20010110; US
2001284594 20010417

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7815

Main International Patent Class: H04L-009/00

Fulltext Availability:

Detailed Description

Detailed Description

... hash into the digital image. The detector re-computes the hash of a
suspect image, **extracts** the hash from the **image** , and finally,
compares the re-computed and **extracted** hashes. If they differ, it
proceeds to recover tampered regions. A more detailed description of...

13/3,K/15 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00906127 **Image available**

**TRANSMISSION SECURITY FOR WIRELESS COMMUNICATIONS
SECURITE DE TRANSMISSION POUR RADIOCOMMUNICATION**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200239598 A2-A3 20020516 (WO 0239598)

Application: WO 2001US47183 20011030 (PCT/WO US0147183)

Priority Application: US 2000710614 20001109

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13292

...International Patent Class: **H04K-001/00**

Fulltext Availability:

Detailed Description

Detailed Description

... Division

Multiplexed) wireless LAN applications using the
HiperLAN2 and IEEE 802.11 standards, offer data **payload**
level encryption to **encrypt** the data but transmit the
preambles and control fields with no protection. Thus,
an unauthorized...standard (in Europe). These are physical
(PHY) layer standards that, at best, offer only data
payload level encryption (i.e. bit- **level encryption**)
while the control structures are transmitted "in the
clear".

Referring briefl-,,,r to FIG. 2...

13/3,K/16 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00833723 **Image available**

**NETWORK ADDRESS TRANSLATION GATEWAY FOR LOCAL AREA NETWORKS USING LOCAL IP
ADDRESSES AND NON-TRANSLATABLE PORT ADDRESSES
PASSERELLE DE TRADUCTION D'ADRESSES RESEAU POUR RESEAUX LOCAUX D'ENTREPRISE
UTILISANT DES ADRESSES IP LOCALES ET DES ADRESSES DE PORT NON
TRADUISIBLES**

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

CESARANO Michael C (agent), Akerman, Senterfitt & Eidson, P.A., Suntrust
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33131-1714, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200167258 A1 20010913 (WO 0167258)

Application: WO 2001US6257 20010227 (PCT/WO US0106257)

Priority Application: US 2000518399 20000303

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10804

...International Patent Class: H04L-009/00

Fulltext Availability:

Detailed Description

Detailed Description

... destination IP address and port address, and the datagram's Security
Parameter Index (SPI) for **encrypted** datagrams of **type** 50, using ESP
(Encapsulated Security **Payload**) protocol.

1 5

Row 1 of Figure 6 shows a UDP datagram arriving at the...

13/3,K/17 (Item 10 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00790586 **Image available**

SYSTEM AND METHOD FOR PROVIDING PAYMENT SERVICES IN ELECTRONIC COMMERCE

**SYSTEME ET PROCEDE POUR SERVICES DE PAIEMENT DESTINES AU COMMERCE
ELECTRONIQUE**

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LANDSMANN Peter, Fritz-Bendr-Str. 10, 85402 Kranzberg, DE, DE (Residence),
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Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200124082 A1 20010405 (WO 0124082)
Application: WO 2000US24661 20000908 (PCT/WO US0024661)
Priority Application: US 99155841 19990924
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 29777
...International Patent Class: H04K-001/00
Fulltext Availability:
Detailed Description

Detailed Description
... encryption 1 5 should preferably be at the message-level, in addition to any transport- level encryption .

To enable automated processing, payment messages in the present system are preferably structured to optimize fast on-line processing with...

13/3,K/18 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00783592 **Image available**

KEY MANAGEMENT METHODS FOR SECURE COMMUNICATION SYSTEMS
PROCEDES DE GESTION CLES POUR DES SYSTEMES DE COMMUNICATION SURS

Patent Applicant/Assignee:

MOTOROLA INC, 1303 East Algonquin Road, Schaumburg, IL 60196, US, US
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Inventor(s):

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GONSALVES Mark, 209 North Street, Mazon, IL 60444, US,
FORMAN Patrick F, 1367 North Mill Court, Palatine, IL 60067, US,

Legal Representative:

SANTEMA Steven R (et al) (agent), Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200117160 A1 20010308 (WO 0117160)
Application: WO 2000US23397 20000825 (PCT/WO US0023397)
Priority Application: US 99387546 19990831; US 2000587845 20000606

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

AU BR CA KR MX

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 8697

Main International Patent Class: H04L-009/00

Fulltext Availability:

Detailed Description

Detailed Description

... of the target encryption devices.

5 In a preferred embodiment, the record further includes some **indicia** of the security **level** with which **key** management messages are to be delivered from the KVL to the target devices. At step...

13/3,K/19 (Item 12 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00568306 **Image available**

IRIS IMAGING TELEPHONE SECURITY MODULE AND METHOD

MODULE ET PROCEDE DE SECURITE TELEPHONIQUE A IMAGERIE IRIENNE

Patent Applicant/Assignee:

IRISCAN INC,

Inventor(s):

MUSGRAVE Clyde,

CAMBIER James L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200031679 A1 20000602 (WO 0031679)

Application: WO 99US26559 19991110 (PCT/WO US9926559)

Priority Application: US 98199369 19981125; US 99310302 19990512

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB

GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA

UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 11021

International Patent Class: H04K-001/00 ...

... H04L-009/00

Fulltext Availability:

Detailed Description

Detailed Description

... of comparing. The stored image information used for identification can be a code or template **extracted** from the **image**, and the **comparison** can be performed at a central database maintained by a telephone service provider.

According to...the user that a suitable image has been captured) to extract an iris template. The **extracted** template is **compared** to the stored **images** residing in a database, for example, in a memory 530, at step 635. If the...

13/3,K/20 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00376153 **Image available**

CRYPTOSYSTEM FOR OPTICAL STORAGE

SYSTEME DE CHIFFREMENT POUR MEMORISATION OPTIQUE

Patent Applicant/Assignee:

OBDUCAT AB,
JIAWOOK Rizgar Nabi,
HEIDARI Babak,
OLSSON Lennart,

Inventor(s):

JIAWOOK Rizgar Nabi,
HEIDARI Babak,
OLSSON Lennart,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9716896 A1 19970509

Application: WO 96SE1391 19961030 (PCT/WO SE9601391)

Priority Application: SE 953838 19951030

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 2460

Main International Patent Class: **H04K-001/00**

Fulltext Availability:

Claims

Claim

... 6 A method of encrypting and decrypting digital data according to claim 1,

concerning said **key type** :

- provide said **key** as binary representation of **images** of said key length;

7 A method of encrypting and decrypting digital data according to...

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